

tgatttacat tctccccctt tctcaagaaa attcttaatt cttcttgaca tcatcaaaat 60
 cttcatgatt tacaaaaaat tttagaaagc ttttggaagc ggaagaagaa gttcaaagag 120
 attcaaggat tgtaaaggat tgtaataatt gttcttaaaa tgcaagttaa ggtcttgctt 180
 ttatagactc ttcattgtctg gtcaagagaa ccattacaag agttataacc tttacaaaaa 240
 cttgaaaacc attggaaaag ttataacttt tagaaaaact taaaaacat tggaagagtt 300
 acatcttttg attttttgtt cacaacttat cactagtaat cgattaccaa atcattgtaa 360
 tcgattacac aaagcttttt tgcgacagga tgtgactctt aacaattgga tttgaatttc 420
 aaca 424

<210> 16685
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16685

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 gtgtacgcgg aaaaggaggc tagaggaaag gtgatcgact tgttacatca agaggcaaca 180
 atgtggatgg accgatttgt tcttactttg aacgagagtg aagaacttcc ccgattgctg 240
 gccaaaggcaa aagcaatggt ggacacctac tccgcccccg aggagatcca caaacttctc 300
 agctattgtc agcatatgat agatctaata gcccatataa ttaggaaccg ctaggaagtt 360
 tgtattatca ctcanatctt gactagttat aacttt 396

<210> 16686
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16686

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 attttgagat aaatgactat catttagtac tgatttttgt gtgaatctct gaagtatgga 180

ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgtgatagg aacttagcca 240
 aaaagctgac cacgtgcgtg aatgatgtat cctttgcacc tagtttgagc ttaatgaatt 300
 attgattgat tgaagcctga gcctacagtg ttatctcctg ctaccttgac ttangttgta 360
 ggagagcatc atccacagga agcgcgattc anagcaaatt tgtcccaaatt tttggggagt 420
 aattat 426

<210> 16687
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16687
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 aaagttcatt ataggcttgt tttggagatt cacagtcatt gcaatctacc tcatcctctt 120
 gatctaattt agattcttta aaggctgtgt ccgccatcat acatatgttg tttacaactt 180
 ttgatatcat ggttgggggc agggaaacca attatgggga tgtatgtttt gccctgtgca 240
 tgctggtttt caagaaaaac tgtgttctta actaatggga tgtgatatat ttgttattga 300
 tgtgcatgct ggttttcaag aaaaactcat gttttaacta atgggatgtg ataggtttgg 360
 tattgatgat tgaaattgtc aatgatgt 388

<210> 16688
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 16688
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 aagagaaggg ttaaaaagtt ttttcaaaaa ctgagtagca catgaatttt tcttgtcgca 120
 acatgccctt ttgcgggcga gcgaggcgag gctcatgggt gtgctttcca aaggaggaaa 180
 gatgcgaga gtcaccacca acgtttatct gtgggaaacg tcagaaaaac cgaaggaaac 240
 cggtaaaaat gaaaattcta agttccggag ttggattcac gtttgaggaa ggtattagca 300
 cctctcacgt ttgtctcaaa ggacaacaac ctat 334

<210> 16689
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16689

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 agttttggtc aatgttaggt acataaagaa catctgatat tagtttgata cctgaacacg 180
 ttgaaattgc aacaattcct ttctctttta ctggaatata gccaccattc ccaattttga 240
 cctttgagac attagttggc ttcaaatect tgaatagagt cttatcatat gtcattgtgg 300
 tcgtacaacc actaccaate aaccaacttt cacttgattc actactcaag aagcatgtgg 360
 ccacaaacag ttggtcctcc tcgtcttgat tag 393

<210> 16690
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 16690

tgatttgtga gttgatttta gctttagttt cactttgggtt attagttaat tcattcaagg 60
 aaactttcaa agaaaaaatg tccgattaat ttttcttgat tattttatta ttttttttca 120
 agatatttta attattttat tattattttg ctttttttgg tttaactgag gttatagcgt 180
 gaacgatcgg ttagattttg ttttaacagt gattaaacga gattacaaca caaatgatcg 240
 gttgaaattc attttatcat ttattaggtg agaaaatggc ttaaataaac ggtcaaaaagc 300
 tcgtgaaagc agaagaaaag aaaactgaaa gtaagcaaaa ttaaagtgaag agtacacaaa 360
 acaagtaggg accactaagg gtgcatagaa tgaattgaaa gattcgattt cgggaactta 420
 ccgattg 427

<210> 16691
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 16691

agcttcttga tagggcccaa actccactcc aaaatctgac ttcaggctta aataggtcgc 60

tttgtttgtg cttgtgtgct tagcgcaatt ttgaaccgct tagcgctcat taatggattt 120
 tagcttagcg tgtgcttttc tcgcttatcg gatggactga agcgggtgcgc ttcgctggat 180
 gaccctttgc ttagcacaaa tgcacaactc atccttcttc tagattcttc ctgcgcgtta 240
 gtcgaggagt gttgtgctca gtggatggct cgctaagcct gcaaattggc ttaaccatag 300
 ggtgaaaata agcacttcac aaacttgctt aattaacctg atattgagaa aaaatgatta 360
 ttaaacacac tgaatggaca tact 384

<210> 16692
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 16692

ctcacgcttc atgcttaact atgtatggca aaacttcatt attgttgctc atgacatata 60
 agtgagcttg taacagatct tctacacttg gactgatcac atgcagtcct tttgaaccct 120
 taccaccac tttgtcatca tgccgagact caggaagccc aacaggttta gccttctcta 180
 agtattctga acaaaattca atggcttctt ctgcaatgta cctctcaaca atagatgctt 240
 ctggacgata tagattcttt gtataccctt ttaagatctt catgtatcgc tcaatcgggt 300
 acatccaccg tagataaaca ggaccacaac atttgatttc tctgaccaga tgcacaatca 360
 agtgaatcat gatgtcaaag aaagcagggg gaaaatacat ctccaactga cacattataa 420
 ttgcggcctc at 432

<210> 16693
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 16693

tatctttgca gatttggctt tcgccagtga aaggatcgat gtgggtccga aaagaggcaa 60
 atttgatcat cctactagga cgactgagaa aactggggca aatgaagagg gtgagaaaga 120
 gggagaaacc catgctgtga ctgccattcc tatacggcca agtttccac caaacccaac 180
 aatgtcatta ctacgtcaat aacaaacctc ctcttacc accaccagt tatccacgaa 240
 ggccatccct aaatcaacca caaagcctgt ctaccgcact tccaatgacg aagaccacct 300

ttagcacaaa ccaaaaaaaaa aacaccaacc atgaactgaa ttgtgcagcg agaaagcctg 360
tagaattcac cccaattcca gtggcctatg ctga 394

<210> 16694
<211> 422
<212> DNA
<213> Glycine max

<400> 16694

gcttgagatg aggaagtgtt gaaggggtgaa acttcctgct tttattgttg accacatagt 60
ggtacctgga gatatgtcac ggggggtcagg agaccttggg gacgtcaggt ggggtgctat 120
tgcccaaaac caagcttgac caatcccgac ccaccccgag catagtcggt cagtgagaac 180
ctgtgatgta cctaaacagg cgagctcctg gcagtcaaca gataaaagga acaaagacca 240
caaagcaagg aggtttgttg tggctggcca gctctgaaac ttgattgata tgtgagatat 300
ggtctctggt aatcgattac caaggggtggg taatcgatta caaggcttaa caatgaagat 360
aggaggctaa gatggtctct ggtaatcgat taccacgggg tgtaatccat taccaggctt 420
ga 422

<210> 16695
<211> 393
<212> DNA
<213> Glycine max

<400> 16695

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tgttgagcat agatccaaac tttttctgtc ataagttgat agtaaaccct ttagtgaaac 120
ctgtgtgtca aagaaggagg aaaatgactc tcgaatgcct agaggaaatt gaaaggcaag 180
tgaaggagtt gctaaggaaa ttgaaaggca agtcaaccct tcagcgaaac ctttcatacg 240
acttggtggt ccaagatcat cctagttaac aagcataacg gaaaatggag aatgtgcatt 300
aactacttga tctaaacaaa cattgtctga aagactcata tccgcttccc gacatagata 360
aaatggcgga tagatctttc gactactgat att 393

<210> 16696
<211> 422

<212> DNA
 <213> Glycine max
 <400> 16696

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 ctttaatcga ttaccatgtg atattatcga ttacttctct tttaaaagtg ttttagaagt 120
 aatcaagaac actttaatca attacttctc ttttaaaagt gtttcaaaag taatcaataa 180
 cactttaatc aattacattg aggatctagt cgattacatt attcttgaga gggttccaat 240
 ttttggaag aacactaatc gattgaaatg ataattaatc aattactttg ttgaaataat 300
 cgattatagg tggttataaa tattttctct ataaatatcc accttggtgt ctctcttata 360
 acaacttaac gaacttctaa cagtgcacaaa ctatttctga atgagctaga atcacgagtt 420
 ga 422

<210> 16697
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 16697
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 gtggcagttg cacaagatga caacaataaa atccttccaa tagcttttgt tgttgctgaa 120
 agtgaatcaa caagagcatg actcttcttt ctacaaaatt taaaaaggca tgttactcca 180
 caacatggtc tatgtttgat ttgaaagaga acaagtcaat aaatagtggc tactcaagac 240
 gtgatagtgg gtggacgaca cagaattcta tgcattgtgt ctgcatttga cacattgcac 300
 ataattacat gaggagatac aagaacaatg ccatcaaaaa atcaatatga gtgagtgatca 360
 aacttctttc tcttcctatt aaatatcact tcat 394

<210> 16698
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 16698
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 cccgacgaag aactgacaa aaacttatct tctccttttt ggacaaagta tggcaggctg 120

ggggcaacta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt atgcccata 180
 cagcgagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaagaagcg 240
 tcccaatcac actgtcacia acatTTTTct ccacatgcat aacatcaata caatgtgtaa 300
 cgtcaagatc agaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
 tcttactttt atccttcttt tgggtctttc caaatacaat attcaggtgt tgaacccgct 420
 catata 426

<210> 16699
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16699

tgcttgtttt ttagcaggaa attaaaaact gaaattatag tgggagaaaa aatactagtt 60
 cccaacgttt caactttttt tgggtgtacat aatggctaaa gtccaccgga ttcacctgat 120
 agactggtaa tctttgtatt ttaaacaatgt gccaataga aaaataaaaa tgacacatga 180
 tgttagctta gcaagcgaat acgagtgaat aggaatagag atttgatatt atgaggggaa 240
 cgaagcaaag ttttcagaa caaaaacatt ttttcacaa tcacaaggat cacctttcct 300
 atttattgtg attgtgaaca tcatgatcct aagcatcagc gtttcgctgt ggctagaata 360
 ttgagtaatt gtcctctaata acgcacctga tt 392

<210> 16700
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 16700

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 aaactatcaa aacttaacca ccaagcagaa actatacctc aaagttaaac cactcgataa 120
 aagcaacgag gcttaaccat taagagcaga aacaaaacaa cgattcaatg ctttaaccatc 180
 catgtcaaaa acttaaacaa tgtttaatca ccgcggacag aagcttacca ggacttttca 240
 caaacatttt gtgaatcaac aataatcaaa gcttaatcac tcatgataga agctaacaaa 300
 tgaacaatgc ttaaccacca cacatgacag aagctaaaat catcagaaca agtcgaaaaa 360

ctttagaagt atttaaatcaa acaccttgta gacaaacaaa atctgaacac tagacatgaa 420
gaaac 425

<210> 16701
<211> 381
<212> DNA
<213> Glycine max

<400> 16701

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gaaagttatg aacaaattag gaaacccaat aacccacaaa attgtcattc aatcaaaata 120
tagttgatcc atatatcttt gatttcgaac aaaagttaag ggtagaatga ctcttttccc 180
tttatttgac ccttgatttt gggctctgat ataacattac tgcaatttgt tggattcatc 240
aactcttaat tattttttgt gagtcctgat gaaatacaat ctttcggact ccatcatgca 300
atatctgtca tctacaaatt gttgaaaaag tttcctagat ctcaacattg tccttcatct 360
tttctggtat gaatacaaaa a 381

<210> 16702
<211> 367
<212> DNA
<213> Glycine max

<400> 16702

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ttagagaact tttgtgagag gtcctcgtaa ttcatatccc accgctcact tctcagatac 120
tgtggccac accaagtggg ttactaacta tgagttgaac ttgtccggag atgatagata 180
ttatcctaag catataggat ataaacatct ttatctctaa aaaatatcac actgtgtgat 240
gcatagacag ctatcaaaag gctgacctt tttattaaca cttcataggg atcgccaaaa 300
taaaagatgg tgctattgtg cgggataccg cctacggtta gtattatcct ctacgtgagg 360
ctcacct 367

<210> 16703
<211> 380
<212> DNA
<213> Glycine max

<400> 16703

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tgtaattagt ggcccagtta cacatttatg tagatttttg gacagtgtat cagttagatt 120
tatgaaaata tattcgaaga tatcgtgatg tatgtagtat tgattattga gatttagagt 180
taatatcatt aggatatgtg atcttatctt gtcttatctt tagaatcggt gctttattaa 240
gatgaggatt ccatcttatt aagattttgt tcctctatta gaatcaagat tgtatataat 300
cttatcttta tgttatataa gattatgaat tgtttaggat ttatatattt tctttcttat 360
cctatatatt ggaacccatg 380

<210> 16704

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16704

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gtggacatac ttttagtttt gcaggcgagg tctaactgt taggtgagga tagtctctgt 120
atttggaac tctgtccttt tctgacaatt ggagatcgca ttgaagacat acgttatgtt 180
ttgtcctttg atcaagcgtg tgcgacacat gtgcagcact cttgcataca agttactcga 240
ggagtgggca cgtactggag acgtgatgag tgagcgagtg gggctgtatc gtgggtgcgaa 300
aagctagtgc accacttcat ctcccgaag ttaccaaaga gcttgtctcc tctataaatg 360
cagtggatgt ttgatttgta gccaccatta ctatgagatt attgtctctt tctcttg 417

<210> 16705

<211> 387

<212> DNA

<213> Glycine max

<400> 16705

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atcatttaac ttgccctcaa atttatttca acaggttctt ttagtgtag ttaatcgctt 120
tagtatgtga tgtattgatt gtttcttttag gatctgatct cgtgttacaa gtatgatgtt 180

ggtttgtacg ttcaaaatTTT aaaatatttT tCgtattgtg taactataat taaatgctta 240
 tttattaatt aggaaatgtc tactcctatg ttattaagta ttgtgtcatt aatttttagta 300
 taaaaaaaa gtatattgtg tcatgaatat gcaaaagttg aattggtatc cttcaagtaa 360
 aattggatga atgatagagt ttattat 387

<210> 16706
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 16706

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 ctagtgatgt gacccaaata gtatatataa ctgatctctt gagttagctt ttggagttga 120
 gttaggctaa gctcaaaatt tcaagagggt tgatgatacg ttctgtatca atggtacttg 180
 caaatcacia aaggagaaga cagcaagaaa gggaagagat gttagccaag agccgaggct 240
 ctccaagcaa gagggagggt ctctctgcta cccaaattcc actaaggatc ccaatggatg 300
 atcctgaatc atcattacag aattttatat aacagaatgt cagaatgtgc acacacacac 360
 acacacactc cactaactaa ctgtccgagg ggcgtttcct aatctgtcct ccctattcac 420
 act 423

<210> 16707
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16707

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 tatcacgggt gatattaaat aaactgccta gttataaatt atttcatgca ttgggctgat 120
 aatagcttgt cattaagatc tctatacaca aaacagaggc cttcaagtcc aatgaagtta 180
 actacttcag tacttcatat atgggacgca gtatatataa aatggatact tctttgccaa 240
 aaagattaat tagtataaat attttaaaca ttttatattt aaaatggata ctttttaatt 300
 aacaatatat atatactcat ttcttctttt aaatgaatac tttttaattn tatttgatta 360
 catttaatta acttggtgac agat 384

<210> 16708
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 16708

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 tttgagaatc tctccaataa caaaatatga accaagtagt aaaaggggtga ccaccgatct 120
 tcctcttata ttcacctca ctaactattg tgccttcac aggacctata tcattctatc 180
 tgtgggctta aaatattgct cgctaagtcg tttatctaca tcaaggatat catatttggt 240
 caccaagcca ttgggagaga aatcaatctc ttcttaccgt gttgcatcga atgtttctct 300
 gctcatttcc ttcccttt 318

<210> 16709
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 16709

agcttgataa tcatcaacag atttccacca gtgatatgtg agattctgtc tttggatttg 60
 gatccaatat gtatttttagc caccctggca tcctcatttg tgaaactcgt ggtttttagtg 120
 tgcaacacat cattctacat gtcacatctc attgctcaaa ccaaattttg cttctttata 180
 tatatatagt tactaccctt cggtttcaat tggagttaga tgatttggcc tctagcttaa 240
 ctaaaaaata tactctcgca tgttgttagg gtgtggatgc atgtcattta gaaataagct 300
 tccttggtgt ggatgaaact acgattatct ttggtaaaat tagctgaaaa gttaattgat 360
 aggtgaaagt taaaaaatta atttattaaa ttat 394

<210> 16710
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16710

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actgttaggc aagcaatgaa agcctctcca ttccccttta agatatttta attttaatat 120
 ttcataatag ttgtgaatga actgtgacaa gataaattac aaaagctgtg ttctgggttac 180
 ttgcaatgta ccttttaaat ttgattaagt ctaatttata acataattaa gatagtttgt 240
 taaaatgctc actactataa aagaaatagc tatcattaag tttaaaacct aacaggaacc 300
 agtcaaccgt ggctctaagt atacactatt tgcaatgaca ttcaaattct tgtcgtcact 360
 tataaaaacc acagccacta gcccggaat aaatatcata actatgatga aatattttgt 420
 cat 423

<210> 16711
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16711

agctttattc ttgacaaaga aattaaagat attcaagatg gatgatcaag acagtctcta 60
 gagtcttagg aagggtatat taaataggaa gggaattcct aattgaaata gcaaaagggt 120
 tggccaagaa atttaagtta aaaagtcttt ttcaagagat ttactctctg gtaatcgatt 180
 accagaggat gtaatcgatt atcagtggcc aaaaatgatt tacaacagct attaaaattt 240
 gaattcaaaa ttgcaactgt gtaatcgatt acacatatat gggtctcgat taccagcagt 300
 tattgaactt tttaattcac attttaaagg ttgtaatgga ttacacacat actgtaatcg 360
 attaccagag gagattttca gaaaatattc tca 393

<210> 16712
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 16712

gtagcctgat cgctaagcga caacttatcc ttggctaagc atgacctatt ggcaccaagc 60
 taaatacctt atgaccataa ctgaggttca tgaagctaag cgccagtcac ggcagctaag 120
 ctgaattcct tgcagcaatg tgagcgctaa gcaagtcctt attagctatg cgcagctcc 180
 tctatactta agatgcatca ttttagctaa gctggtcaga gcctggctta gcgagagttg 240
 cagcttttcg gatctgcaaa cctcactaag cggccttatc ctgcgcgctaa gccaaagcttg 300

tgtgaaatat taaaaaaaaa cttattttga atttgaaacg ttggctaagc gcgtgggtcc 360
 actaagcaag ccttgctgag aaaccaaagc tctctctggc tcgcttagcg caacagtcgg 420
 ctaagcaaa 429

<210> 16713
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 16713

agtcttttgc tgatcaggac gatacggatg cagaatgcga atgaactact accgcatgct 60
 tcacgtcaga ttaccgtttt aggagctctg atcaccattt gcgcattaag gccattaatg 120
 gatggcagtt tctacaggag cgacactctc aattcaagga cgaagtatat actgatattc 180
 aggaagagat agggcacatg gggaggacat cactggttac ccccatgggc atgtatttat 240
 cagaaataag cctagagggt atgc 264

<210> 16714
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 16714

tgcagcgcta tccgcagact catcagaagt cgggtgtttt ataaatcaga ctatgtgcat 60
 gactcttaca ccagtggtt tattgatagg accaaaagct ttggcctacc ctaccgctta 120
 cctaaatacc tatcgtccac catcccacca tcatccttgc ctatcccctt tgataactaat 180
 gaatagtttc atgaacaatt aaccactac tggcaagata aagaaacttg gatgaggaga 240
 tgccaggagc tctaccatga gaatgatact ttgaagggga agatagccca acagaccga 300
 gagcttttta tccagaacca gaggatgatt gagaaggacg acttgcttcg tcggaaagac 360
 tctgtgctcc accgagatgc tagaatgaag aggacgttta tggattcggt ctcccgtgca 420
 cattc 425

<210> 16715
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 16715

agctttttatc caattaagac gacaatatct ttttactcgg atgactgatt gagtcccgtc 60
atatatcgag acgctcgaaa ttgaatgttg atgctctgag caaattcaaa cgacaataat 120
attttactcg gatgtttgat tgagtcccggt aatatatcga gacgctcgaa attgaatgtt 180
gatgctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttcagtcccg 240
tcacatattg agatgctcga aattgaatgt tgaagctctc ggccacttca aacgacaaca 300
acattttact cggatgtctg cttgagtcct gtaacatatc gagacgctcg aaattgaatg 360
ttgaagctct cagccaattc aagcgacaa 389

<210> 16716

<211> 426

<212> DNA

<213> Glycine max

<400> 16716

tagtaaagct aggcactaac agaatttgct caatgcatca acattcaatt tcgagcttct 60
cgatatatta cgggactcaa tcatacatcc gagtaaaaag ttattgtcgc ttgaattggc 120
taagagcttc aacattcaat ttcgagcatc tcgatatgtg acgggactga atcagacatc 180
cgagtaaaaa gtcattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagcgt 240
ctcgatatgt tacgagactc aatcagacat ccgagtaaaa agatattgtc gtttgaattg 300
gctcagagct tcaacattca atttcgagca tctcgatata tgacaggact caatcagaca 360
tccgagtaaa aagttattgt cgtctgaatt ggctcagagc ttcaacattc aatttcgagc 420
gtctcg 426

<210> 16717

<211> 374

<212> DNA

<213> Glycine max

<400> 16717

tgcttattgt atatgagtgc atgtccaatg gatctctctt atgatgacct acactctagt 60
gataagagaa aggaaccact aacatggaaa cagaggctaa agatctacat aaaagtagca 120
catgaccaca ctactttgac acaggtccca agtgaaccat cttatatcat gacgtaacac 180

cttataaaac tgttttcgat agcaacatgg tggccaaact cttagacttc caactttcct 240
 tataaggact gcattatgca tcaaagcaaa aaccatagac aatgtgtgtg tgtgtgtgta 300
 cttatggtga tgaggggtgtg tgtgtgtgtg tgattacggt gtgtgtgagc agattacgat 360
 ttgagtgtgt gaga 374

<210> 16718
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16718

tgtaaaaagg gaagcaagtt aaaaactcct ttcattttta aaacggtggt tctactacaa 60
 aacccttga actacttcac atcgatttat ttggtccctc tagaactatg agtttaggtg 120
 gaaattacta tggcttagta atagtggatg attactcaag gttcacttg accttgtttt 180
 tgaaaaccaa aaaaagaagc ttttgatgct tttcgcaaac ttgccatggt gattcaaaat 240
 gaaaaagggtc tcaacattgt ttcaattaga agtgatcatg gaagtgaatt tcaaaatgat 300
 tcttttgaaa acttttgtga agaaaatgga atttaccaca aattntatgc cccaagaaca 360
 cctcaataga atgggtgtgt ggaaaggaaa aatagatccc ttaaagaagg tgcaagaacc 420
 ct 422

<210> 16719
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16719

ttgcttttac caaagagatt ttactctctg gtaatcgatt accagtggca tgttttgttt 60
 tcaaaaagct ttcaactaaa ttacaacat tccaatcaat ttcaaatgg tgtaatcgat 120
 tacaatatat tggtaatcga ttaccagtga gtttgaacgt tgaaattcaa attcaaagt 180
 gaagagtcac atcctttcac aaaaatgctt tgtgtaatcg cttacaatga tttggtaatt 240
 gattaccagt gataagttnt aaacaaaaat caaaagatgt aactcttcca atggttttca 300
 agtttttcta aagggtataa ctcttcta at ggttntcttg accagacatg aagagtctat 360

aaaagcaagt ccttaacttg cathtt

386

<210> 16720
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16720

tagttcctag cttagccgat aaggttttcc aaaagtgtgc taaggaactt aacatttcta 60
tctgacacaa tggctcctagg aaaacatgg agtctcacia cttcccttaa aaagagtttt 120
aagatgtggg aagcatcatc catcttgtgg catggtataa agtgtgccat cttgctaaac 180
ctatccacca ccacaaagat agagtctaca cctctttggg ttctagaaag cccaaggaca 240
aagtcatac taatgtctac ccaaggtgca gatgggatgg gtaaggggtgt gtatagccca 300
tgaggcatca ccttagactt ggcttgtaaa caagccacac acctagtgc aagcttatgg 360
atatctttct tcacacgng ccaataaaac ttgtctctga gtatgacaag ggtcttgtct 420
atccca 426

<210> 16721
<211> 389
<212> DNA
<213> Glycine max

<400> 16721

ttgcttggtt cgaggactt acccggtgaa gatcgaagaa cgatgaagaa cgaatgaaga 60
acgtcgaaga acggttgaaa cctttgcgaa attcttcacg gaaaacgtta cggaaacgtt 120
tcggaagcgc ctgggcttag attttcttca cggaaacgat tttccaagc aaattcgaaa 180
gagagagaag tgccaaaggg gctgaacccc ttccttcttc acttcctccc ctatttatag 240
caaaataggg gaggtggttg cgcgccagct cgcccaggcg agccaggttg cttcctccag 300
aagcaacagc cttctggagg aatcttcttg agggcccaag tgggcctggg tgctatttgc 360
accccathtt ttactaagta cccccctt 389

<210> 16722
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 16722

ntatatagac tntagagctt tgatccattg agatatccca acaagtcgta gtctaataga 60
 ttggggccctt ttacatgtgg catgctacta tgcaaagaga gaaagagggg gtggtgccac 120
 aaacatcttc tacaatgtat cttgagagaa atacatctta ccagtgtcga cttgtgctca 180
 gaggtgactt ttagtcaaca attcaaatac aatgttagta gcacatgaaa aaaggaataa 240
 agaatgtcaa gacaacacaa tttaaaaact ccatgtttgtg cactatggca tgtatgagtt 300
 actaaaccat ggatgttact tttggatgat aactttctca ttcttgggga ttgagtagtt 360
 gttccatttc ctttggactg cgacccaaat gctaaagcac tntgtcatac cctaatttcg 420
 tctgg 425

<210> 16723
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 16723
 tgcttcttga gatgccttc agttatctca ttagaggctt tggtaaagtc tacaatctca 60
 ttagaaatat cgatagtga ataatcaatg aatcttgagg tcaagactgc atatggaaat 120
 tcataatcca ccagtcaata gcttttcaac atgatatctt caatcaacag tacccaattc 180
 atttgaatac ttgatttcat cccatatata atctacaagt cgtcgttcgt gacttgagta 240
 tgactgttgg atcttgggtgc tagaatatat gtaataatgt ataccaacat tttgtcttcc 300
 gctatcagac caccaatacc caatctgttc cttaacaatc ttgtcgggtc aagaagcata 360
 cctctgtatg tggccatttt gctatagtca t 391

<210> 16724
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16724

taacaagctn tntttatagt ttgactgtga cttttttatt taaaaaagct ttttaaaaag 60
 cttgagcttg acctttatag taaacaaacc aagccgagcc gagccttaaa taggccgagc 120

cattggccct tgacaagcgg ctcggtcat ttccatccct acttgactc ctcacctcct 180
 tgagggctag aatgcatcca ttgcctcaac tcaccatcac ttaaactagc atgcttagcg 240
 caggtgattc aactgatttc gcatgtttta taagtaggca agtaaataat tacatatcca 300
 atttattaag gtcattgttt tttttttttt actgaaagga gcttatctaa tttcattaat 360
 aatcaactac tcaatacatg acaaaggatg attgaaggta tagaggttag ggaagaatga 420
 agc 423

<210> 16725
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16725

ttagcttctc attttcttgc ttcagttagt tcagctcttc ttgtgttaaa gacaatccat 60
 tgacatgcaa ttttagttca cttttcaaat tgttgttcaa aacagaaagc ctttgagctt 120
 gctcatgcat ctcattaaat gcttctaaaa gttctccaaa gtcagaattt acctcaattt 180
 tttcacttgc tgacagatca tttatggatt ntgccataaa gcacacgcta ncaatttctt 240
 catcatttga agagttggaa gttgttgatg cactatcttc ccatgctatg taagcttact 300
 tttgtttttt atccttcttc cctttctttt caccaccatg ttntctaata tagataagac 360
 actcatgatt aatat 375

<210> 16726
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 16726

gacctatgaa actcagctat tggaatatcg ctaaagcctg ggattgtgtt ctgggtgttt 60
 ggtatgcttt gagttttata tcattgataa tgattctgac tagtaagcct tgaatctttg 120
 agactaaagt aatttttcct gaagagatta tttgtctaata gattatgaca agcaatcaaa 180
 tgctggataa agaatatatt ttatccaaac ttcagtaaga gcgtgcgcaa catgtgtata 240
 taagcttgtg tgcattgtta ctttcgtgaa acatcaatta ttaacttttt attgtttaaa 300

gacaaataag agcaagggtg gacaacatgc aaaccatttt gaccttttat tgaaatttaa 360
 cttatgagta attgaggaag caaagatcaa acacttaatt acttagccat aaagattata 420
 ttttcttttt aataa 435

<210> 16727
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16727

gagatttcta cctcgggacc ctgtgaagct caacatgcta cctgcaagct tcttattgta 60
 atacatcgca agcgactgac ttaataaatg tgacttgcaa aaattcacct aatcgatcga 120
 gaaaaatata agagcattca tcgtacgcaa aaaaagcatg ctacccccca gaattaatac 180
 atgtgaatac cataattaga catggcgatg gtgaaaataa taaaacccta tggttattac 240
 ggcttcacat taaacttaca aattgcatct gatcatgcaa tagaaatagc gagtcaata 300
 tggaacttgc agacatctga caaataatac atagatgata ttatctctat cattcgcaca 360
 agagaacaat ggtggaaaca cactgcttac aa 392

<210> 16728
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 16728

tccatacctg atgatcagcg aaacattgct cttctcatac ggaacaatga acataatcac 60
 cttggatttt gactaatttt tgctcaaatt aaatcgtaat tcatcttggt acgaactgat 120
 taattttctt cactttattt cgatttcagt tccaagcaat gacaacgagg tccatgcatg 180
 cattatgcat cacatctcat gggaatctta taccacaaag tgcttatgat tatctggaaa 240
 gccgca 246

<210> 16729
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16729

agcttgtgtt agttgtatgg ccttagccaa ggaaaacaag aacaaccaa cactttcata 60
aaagagtaat caggttgttt gttgaatagt ttctgataag gaacttcatt atttatagca 120
tatgagggca atctgttgat gaggtaaatg cttgagacaa aggcattggc ccaataatga 180
aaaggttaact tggcttgaga tagaaaagtg agacccaact ccacaacatg tctgcgcttg 240
ctttctacta ctccattttg gtgatgagta tgatgacata ttagtttgtg ctgaatacca 300
tgctctgtca agaattttgt gaaaggtctg aactccctc cccaatcaaa ctgaatagcc 360
ttgatagaca tattaaactt atttgaaa 388

<210> 16730
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16730

atagagtttt ccaacctcat ataaggaaaa ttctattaag tagggacgtg tacttcatgg 60
agaatgagaa atggagatgg aatgatactg aaaagatgtc gatagctgac cctttgcaaa 120
aacaatatga gttacttgat gatgcacccg tgagaggcac tagattgctc tcagatatatt 180
atgaaagatg caatgtagca gttctagaac ctgcatgata ttggtatgca aaggaggatc 240
caaatggag tgctgcaatg caggaggagc ttgtcatgat tgataaaaat caaacttggg 300
aactcgttga aaggtctgaa cacagaaaag tcataggtgt gaagtgggtg tttagaacaa 360
agctgaatgc agatggctca atcaacaaac ataaagcaag gttagtagta aaggggtatg 420
ctcn 424

<210> 16731
<211> 397
<212> DNA
<213> Glycine max
<400> 16731

agcttgtcat cgtgagacat cagaggctag tattttaata aatgtgggta ggaaaaattc 60
accaaattga tagagaaaaa tctaaaatca tacatcttag gcaaataagg catgctagcc 120
cccaacatta ttgcattttg attccatctt tggacattgt gattttgaaa attagaaaac 180
ccaaagttaa ttagggcatt tcatcaaaca tacaactccc aactgatctg gcaaaagaaa 240

<211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16734

ntaacaaatg atctatntct tatcagtact ttaattatatt tgtaactgcc aaatataaag 60
 gcattagaac ctgataatga taatggaatg atatatgtag ttagtttcaa tcacattttt 120
 gttgaagtta tttgggggca aagaattaag agctttctat caaacttctt cagaatgaca 180
 aagcctatat cagtacccta agcacgtaat caaaagggtc ccaaggaaga cttaacgcag 240
 catggtgcca atattaaaaa aacgcattaa tgatagccta attatattat taatttgtgg 300
 gatcacgtta cgtcaccatt tacatccata aatccaccaa ccaatcgtgc tataccaaga 360
 tgcacgaat aagttacatt ttacacacca ccatacatat atacaaaatg ctagatcgca 420
 at 422

<210> 16735
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 16735

agcttataca caggaaaaga acgacagaga taggagaaga gaacgaaata gcattgggga 60
 atttgaattt gcacattttt atttgttagt cttaacttag caattaagct acgttcctgt 120
 tttttgttct cccgtcctat ttoggtggta tatatggatt ctgacacttg ggcagtcgat 180
 ctgttattat atgcaaatgc aattcatccc aagtttgcaa cacaagtcaa ccaaggaaca 240
 atatacaaat aagtttcctt ttgtggaatg ttcttagagt ttgtgtaaag taagccacac 300
 aatttttata aatcgtcgaa taaagttgca catccttcga ctaaatttgt attaaacgtt 360
 attttactgg catattctgt ttaatttgag tcct 394

<210> 16736
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16736

ntaatatata agagacatct caaaacaaat attttttttt attaaaaact caaaacaaaa 60
 ttctgtaatt tataaaaaaa ttaaacadat ttgcatcata attttatcaa tcactagtgt 120
 taacttgacc aaatccattt aggtcaatat tgatattcat tctttcacac caatatectc 180
 cttttcaaga ttatatatgt aattactggt tataattaa ttagttatgt tttaaacata 240
 tttttctata taattacatt ttttgtgtca gatgccgtgg ctttcaactt atgtgatgaa 300
 ttcttgcttg taacttatgt ggtcatgatt ataataaata aattttaata agaaaaagta 360
 acgtccatta tttatttttc ataaattctt tgtcccatcc tttctcttca ttnttcttat 420
 gacctttc 428

<210> 16737
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 16737

agcttgcata accaccaaat tagttttgca tcccgattat tgaaaagtga cctctagcaa 60
 gcacaagaac ctttctaagg gccattactt aagtcttggt cttacgcgta tcccggtcaa 120
 agtatgtcga gctcacttca acatagattt ttgtctaagg tagatccact atcggcacca 180
 tcaccatcca aatcgacatg gatgagatga agcttctctt attctccttc ctcaatagtt 240
 aaaaacctag atatgaagca aacatcttgc attaagcatc acttgtaaac ttctcaaacc 300
 atggcgctca taatgcatta aatgtgattc attactagat cccggatttg atttcgccac 360
 gaacaaccta agacttgaca tatggtttgg tagag 395

<210> 16738
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16738

nttgagtaa gtaggggcac tttctagctg tcaagatggt ataggagaca aaaccattat 60
 gaggttccat tctgaggttc tcattttgaa gatcctttat aatggacatt ttgaagaacc 120
 atcagaataa tcatttcaat gtttgctgag aatgaatcca tactttgatg aattcccttg 180
 atgaagttca cattgatatt tcattttgat gtagtgcagc ttcaaacactc ttaaacacttc 240

tcacaacatc aaagcattct aaagttgatt acttcagaca aatttaatat aagttatggt 300
 gttggtgtgt tagtattatg tccaagggtca gattgagtag tattcttcag tcttccattt 360
 tgatgtttgt catcagtgtt tctcatggac aacttcattc aataatctag cacttcttat 420
 gcagct 426

<210> 16739
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 16739

agcttctcaa tctaccaaag gaaaaagggg caattactag acaactttag aattcctaga 60
 aaaagatatt aaggtctact tatatgcaag aaagtttcta agcaatccaa caaaagttat 120
 atttttaaga aagaagcaac aaatgttttt aagaaaaaaa gaattgcaac tatgaggaat 180
 gctggaaagg ttaagacctt ggctagttat ttttagtcaa ttaattaca taacaaaaaa 240
 ttagtaatat agtaattttt caattttgtc ctttctttct aattatttta aaatattgaa 300
 tttttttttg gaaattacca aaatgcaacc aaactaggat aatcccttta taatattata 360
 attataacca tggcatgtaa atgag 385

<210> 16740
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 16740

tgctcgagct aagcgcaaatt acccctaatt gattggttga atggttcaac taagcacaca 60
 tcgctgcgct aagcccaaca ccttcactgt aagttgcacc ttaagcagtg ggcttagcgt 120
 ggatgatgcg ctaagtgccca cttccttgca aagacaatcc aagtaagtta gcatttctac 180
 ttttactttc atcctccaaa ccttaggata gttgatttat agtttttagtg actagtattg 240
 ttgtaggtta ggttacttag ttttaggggtt aggtatttta ggactttagg tagtttagaa 300
 gccattagg ggcaatgtga ttaaaaaggg gtgaaaacc ctgtgtatct ttctgagatt 360
 cgcgatgaac gcgctaagca tgctgtctac acttagcttg ttcatacaca ctgttaaatt 419

<210> 16741
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 16741

agcttataag aacaaaattg cctcaatcat ttccaaatat gcatgtgaat taggacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaattg 120
 attatgatga tggatggctc aaattctcgc aaaggtaaac tcatcacttt caaattgagc 180
 ttctaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aacttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaaa 300
 catgcaaatt cgtacgtgca cacaaaattg atccaaaata ttaaactgaa aatccgacga 360
 aactaacaac attaacaat taacacaact aacaa 395

<210> 16742
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16742

nttcgcanag cttacggtaa aatctgggac ctagttttgg tagaagtctc tacagaggcc 60
 attgcctccc tcgtccagta ttatgatcag tcgttgaggt gcttcacctt tggggacttc 120
 cagctatcag ccatggtgga agaattctgaa gagatcctag gatgccttct agggggaaga 180
 agaccatacc tcttctcaag gttctatccc tcattagcta gaatttctaa gatagtccaa 240
 atctcagcgc aggaattaga ccacagaaaag caaattgaaa atggngtggt tggaataaccg 300
 agaaaatggt tggaggcaaa agtgagaatc ttggcaggta aaggcgaata ggccccgttc 360
 atagacattc tcgcactggt gatcttcgga ggagtcctct ttccgaatgt gga 413

<210> 16743
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16743

tgtttctctc taccatcgag tctggagccc catgacttta ttggctagca ctgatcgtgt 60

atactccacc ctcaaagtgt atccagagggc ccatgaatcg attatgattc ctgcaccctc 120
 caccattgac tcttgatccg gacaaattga ctgcctagca ctgttggcct attgtccgcc 180
 ctcaagtctt aatcggagcc tcgtgaacag aatgccatna anggatgctn caccataaag 240
 tatgtagccc cacgaattga tggactatgg cttttcgtct atcctgcacc ctccaatctt 300
 acccac 306

<210> 16744
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16744

agcncncccg cgcgnaattg atgcctcgat acagacggcc ctatgaaact cagcttgagg 60
 aagagggctc aagaacactg aaaatttttt ttggagcgga aatgttgtct cttttcctct 120
 tgaccagctt gcgaaaatgg aggaagaatg agctactttg gtgagttttg gagtttaaat 180
 ggactttag aagaagctta gagcatgac cattggtaaa tcttatccta atcttctaga 240
 tttagcgtgct aacttctatt gggatatgag tactcagagt gaaccttgta cattgcgact 300
 caatgcacag ngcaattctt gcacatatgg aaatctagct caaataatth ctgtatctct 360
 gtcaagcttt actaaaccaa tcacatacac acacacacac acacacacac acacacacac 420
 acacacacat aacatgataa tcaataatta aaagcatatt aattgctgca gctacacn 478

<210> 16745
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 16745

ttgcttataa tatatcgata cgctcaaaat taaacatcga aaactctcga gaaattcaaa 60
 tggccgcaac ttttcacacg gatgtccgat tcggtcgcat aatatgtcga gaggtctgaa 120
 attgaacaac ggaagctctt gagaaattta gacggacata actcctcaca cggatcgacg 180
 acccagcaa accacatgaa tagacgtca caatcgtaca tcggctgctc ctgagaaatt 240
 caaacgatca taacatctaa catggatggt caatcaaggc tcgtcacata ttgagacact 300

ggaacttgta ctgcgtgagc tgtgggtgcaa ttctagaggc catatctgtt tacaccgca 360
gccgactaag acttatcata t 381

<210> 16746
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16746

gaaactcagc tgaatcggac atccgtgtga aaagtatgac cttttaattt ctcaagagct 60
tccgttggtg aatttcgagc ctctcgacat attatgcgcc cgaatcggac atacgtgtga 120
aaattcatga tcatttgaat ttctcgagag cttccgatgt ttaatttcga gcgtatcgat 180
atattacaac cctgaatcgg acctcagtgt gacaagttat gaccatttga atttgacgag 240
agcttccgct gctcaacnnc caacatcact ataccngacg cgcccaaate ggacattcga 300
gtgaaatggt atgaccattt ggattttctca agagattccg ttgtttattt ttgag 355

<210> 16747
<211> 390
<212> DNA
<213> Glycine max

<400> 16747

tgcttgtcaa gacaatgcac gcaccccttt ttttcaggtc cttagacttt tgaatatata 60
tcatttgcct aattagtaga atcttgggtg ctttgtaaatt tttgtgaact ctctgcttca 120
accattttct tttttagttc atcctacgta aatacacctt ataaattatt accatacatc 180
aatatcctca atacttcaat ttcactaaac aaaactcatc tccacaatag ttactcctcc 240
tcaccccata accttctatt agaaaattaa gcaaaacaaa gaaaaagtat tgaaattaaa 300
attaaaattc ttacaattac aatagaagcc ttttcagtaa caatgcttcc atcttttcga 360
gttcgagtga caatataaat gtatgcccta 390

<210> 16748
<211> 414
<212> DNA
<213> Glycine max

<400> 16748

ttacatccca tgttgatgata aaatctttta tataattagt tatgttgagg ttatgaaatg 60
 atgattcaaa ctgtgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg 120
 tattgagatg agatgtgtgt attgagttgt gaactataaa ctatgcaatc acacaattgt 180
 aagacccttt aagggcgacg agtattgtga tgggatccac tgtgggaatc cgacgagtta 240
 aatgatttt gaaaacaatt gagtaaattgt gtgtatttca tagttcatag ataaagtgt 300
 tatgattcat gaggtgtgat aacatgttaa attgtgatta taccattgcg attaagatta 360
 agtgtatgtg ataaattgag tatgtatatg attgagatat atatgtacat tgaa 414

<210> 16749
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16749

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactacatca tacatccgag 60
 taaaaagtta tagtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg 120
 ctatattacg ggactcaatc agacatccga gtaaaaagtt tgttgtttga attggctgag 180
 agcctcaaca ttcaatttcg agcgtctcga tatatgaagg gactcaatca aacatccgag 240
 naaaaagaaa tggggcgctgg aagttgctca gagcatcgac actgaattgc gagcgtctcg 300
 atatattacg ggactcaatc agacatccga gtaaatagtt attgtcgccg gaatatgctc 360
 agaggttcaa cattcaattt cgag 384

<210> 16750
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16750

ttgaatgcac tattcaatgg agttgacatg aacattttca gactgatcaa cacttgaca 60
 gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
 atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcctgcac tgccttggga 240

gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggtt ctcttcanac ctttgagcta ggactctcgg atagggctga naagaagagc 420
aag 423

<210> 16751
<211> 373
<212> DNA
<213> Glycine max

<400> 16751

tagtttgttt gaaggacaga ttctcattat acaaagcttg caggaactag ttcagcaaag 60
gccagttatg agtgtagatc agttcattga caatgtggcc tggcctggag cctgaccttc 120
ttttgtggga gataatgaaa gttttacagc ccagtcacct caacaacatg agccagaacc 180
agaaacgatc actcatttga agccaccatc cctcgagctg ttgatttcgc aaaaagaaga 240
ttagagacga gatctaata ggctgctcat cctagaccag tgccagcatc agctgaggca 300
ccatttccag gagtggatcc atcttcacct tagcatgcat cagactcttc cactcctatc 360
ttagagatac atg 373

<210> 16752
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16752

tctatggagg ttggatcttt gagcttcaat ggtgattttc caccatggag atgcagcgga 60
aggcaaagga gaagaggaga ggggagacac catccacaag ggaataagcc atggaagaag 120
gagcttcacc accaagaatg tgccttggat aagaagcttg aagatgatgc tttaatggag 180
gaaaagaaag aggggaagggg ggagcacgaa attgaaggaa taaaagaggg agagaagtgg 240
aactttgaag tgtgtctcat aagactttta tgcacaaag ntacaacaag gggtacacat 300
gcttctattt atagactagg tagcttcctt gagaagcttt cttgagaaaa cttccttgag 360
aaacttcttt gagaaaactt ccttgagaag ctagagctta gctacacaca ccactc 416

<210> 16753
 <211> 95
 <212> DNA
 <213> Glycine max

<400> 16753

agcttcaggt tgctcattga ctccaaattt ttgcaaagaa ggacaaagat ctgtatgctg 60
 atctgcagaa gaacatagat gacagactct tgcaa 95

<210> 16754
 <211> 98
 <212> DNA
 <213> Glycine max

<400> 16754

tgacacatct tcctctgttt ccttcccat ggtagttcta tcatcccgag tgatctcttt 60
 ccattttcta aaatccaaac cctttttcct cctccttt 98

<210> 16755
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 16755

atctttacag cacatttttag taatgaccca ctaacctaga attaaaataa ctcaatgcc 60
 ttaacctacg gaattaaaaa aaacataatg gctgagtgtg actgaaattg tggcaaccaa 120
 aattcaccgc caacagccaa catgtcagcc accatttggc ctcccaaaag gctgatgcct 180
 acgatgccaa ttggggcctt attacaactt gaactaaacc taactaacgc ccttttagtt 240
 gattaacca aaacatatatt ttggtcaggc aactttacaa ggatcggggc attatttaga 300
 caaactaaac actcttaaat tgaaacatag tgggtgtcatt tagtcctcct ccattggggc 360
 catgatataa ctcacaagct tggacttttc 390

<210> 16756
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 16756

tgggtgatgag cttcattgta agagacaaaa ttggttctga ataatagctg tcattctgtg 60
 aagctagtgg aatttggcgt taaccaagaa ctggatgtaa tcccaatgat agaaatgaat 120
 cagtataaat ctttgagtct gatgtttatt ctatttatct catgcttttag acttacttat 180
 gttttgaatt tgattttggc tggaaaacat attctattct gcacaataga tttctatgga 240
 ctgaacttgt tgtgaaaatt aggtgagagc tttgaaaact tatacttcaa acggtgactt 300
 tgtttctccc aaaataaggt tttaaaattt ataaaatcac aatccactcc tctgcttatg 360
 atatatgact ttatagattg gtat 384

<210> 16757
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 16757
 atgcttcttt ccaccaaggc gttagttaag actcatttaa tttaactcct cacaatttac 60
 agtacctctt tcctcccaat taagtctcac atttcattaa ttgcgctagt aactggcgctc 120
 agttaagttt accccccag agataaaatg ataaagaagc tatagagaga tatataggtg 180
 gatactagaa acttgagcta actatgctga tatatatatg gcaattatag tactagaact 240
 actatctttg gttttatttc taacctcatt tgttcgaatc accaataacg agaggctctt 300
 ataccttgct acagggtgcaa aggtatgttc accacgatgt gattcgatta catgatctgg 360
 aagactcatt ga 372

<210> 16758
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16758
 taaaggaaca ttcaaactcg gtgtatttac ccgtatgtct agactccaaa gagttcatca 60
 gggctctctc ttctgattt aggtccaatc ccgaaaatat tttagcacac agactatcta 120
 taaactgtac aaaacacatg actccttaat tgttgtcaaa ataattttaa cttgtcgcac 180
 ctcaaagtga ttaaaactcg caggttccca cagtggatca catcacaata cttgtcgcgc 240
 attaaccgct tgaccttaaa gagtcttaca gttgtgtgat tatacgggctc atagctcaca 300

actcaatgca caataatatg tcaatacaca tgtatctcac aattcatgac atattcaatt 360
tataccttac acacaatctc aatcacaatg tcatgatcca tcccaatata ac 412

<210> 16759
<211> 224
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16759

caatgactaa caccatattg tcttacaac gaataagcaa attatatgca tagtctcttt 60
tctcaagatg aataaagtgt tgtgagagct tttctaaact ttacaagaat atacacatga 120
gagattttac acagaatgat ataatgagtg cttcanatca tgctacatat cttcaaagct 180
tctgggatat atagggcctt nttaatcaag taattggtat atct 224

<210> 16760
<211> 420
<212> DNA
<213> Glycine max

<400> 16760

ttgaagtacc aatcaaagcc cttaccatca gaatcttgac aggttcaaca taattggcctt 60
gaacttggaa aggattagta tccacttgca taggcttttc ttcaaacttc aacatttctt 120
catcaatagt cttttgtatc atatctctga aaggtaaaca actataagtc caatgtccat 180
agacatattt aaatttgcaa tatctatttc cttttctttg ctcaaagtgt gtaattttat 240
gatcatcact aagtgcattt tgtttatcct ttaattatac atcaaaaatt ttatcagact 300
tagtaacgtc aaaactatat tttgagttta caaattcttt ttcttctggt tttaacaatt 360
gacaaatata aggaggacca tattgtaatt ttgctaaata aacttcattc tcttaattat 420

<210> 16761
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16761

tgtctttttg ctagacctcg atcggtcatc tttccaggcc gaggtcgacc gtcattnntt 60

tcgatccatt tcggtgaatg atattttttt gccgagatgg gctaattgtt tcttggccga 120
 ataaatggga aaatgccagt ttccgcccga acgaaaagtc ggatgggctc gcacaaaaaa 180
 acctagccga cctacattat aaatttttta tgcaacacca aaacaagaaa acttctctgtg 240
 ccgtataaaa ataaaaaaca ttacatgaca gcgagcgctt tgaaaaacaa aatt 294

<210> 16762
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 16762

tcaccggatg acgccgatcg aacatttcct aacctacgtt atgcaaattt cgttcagga 60
 ttgaattgaa aactcgtttag gcgacatctg tcgtgaagta gcgaccgata tttttcagcc 120
 gacattgcac aattcttttt agaaaagctc gctggtcgat aatggctctt ttacggcaga 180
 gtaagttttc ttgttttggg gttgcataaa aaagttacaa tgtacttcgg ctaggttttt 240
 cgtgcgagtt caaccgacat ttgttttcgg ccaggaaaac attagcccac ctctgcaaaa 300
 aaaatatttg ctaaccgtct tcatgcatat ttcatccaac gattgaatag aaaactcaat 360
 agccgacaac ggtcgtgaaa tagtcccgcac tgatattttt cagccggcat tgcgcatttc 420
 tt 422

<210> 16763
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16763

agcttgcttg tggggcttct atggaggctg gatcttagag cttcaatgag gtcctttaat 60
 ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
 catccactag ggaataagcc atggaagaag gagattcacc accaagatga gccttggata 180
 agaagcttgg aaggatgctt caatggagga aaagaaagag ggagcgaaag agagaggggg 240
 gagcacgaaa ttgaaggaga aaaagggaga gaagttgaac tttgagttgt gtctcacaag 300
 actctcattc atcatagtta caactagtgt tacgcatgat tctatttata gactangtag 360
 cttccttgag aagcttcctt gagaaaac 388

<210> 16764
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16764

tgagtgagcc accatagact gagacaattt tgtatacaca tccttgtaac catactatca 60
 ctttgtatag tggaagaatc tccatattgg aaaattataa tcgtgtgctc ccattactac 120
 ctttaattac taagtgccta tcttaacttc acgaagcggg aaagtccgag ttttcccaac 180
 agtgggtatca gagccagatg gttcgacttg gtgaccggct cagacgagta aaatggcggg 240
 gatggatctc agccttgggg atcccttgta tcgaaagtct tccaagcagt gagtccaggc 300
 agcgtgtccc gcagatggag cggcgggtgca agtaccgcag gtagctagag catgaaggct 360
 ctaatggtta tactcgtgga tgatgac 387

<210> 16765
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 16765

ggtcttgctt tcttgaggaa gttcatgatg aagttgttaa atcactagag aatcatcttg 60
 agtcaaataca aacaaagtgt tgtaacactg ttagcttagt tggacgaaat aaacttgagc 120
 gaattgagtg aaccctagct ctactaagtt agcaagtttc cattgtattt gaacttacta 180
 tctaaaaaat ccttgagtga ttagaataca tattctatga aacatttatt gtttgggaaa 240
 gctagaaatg gcttcatgac aaaaaatact tgattcttaa tctcaaagag agattaaggg 300
 tagtgccaaa agtggcttag agaatacttc ttgtagagag aagtgggaata aagaatacta 360
 gggtataatc aaagttttga ttagtgaggc ccttc 395

<210> 16766
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 16766

tggttggtta ttacttgcag gtacttacgt atggatgcaa gtggggatgg agtcacgacc 60

gactgatcgt tgcccccttct ctgcgctaaa caaacagaga acgtcgctgc aagacagccc 120
 cgtatccttt gtattcgcag ttttctttta ctatttggtt gtcttaaaaa gaaaataata 180
 ataaataata agtcgacgcc taaattctaa ctttaagtaag ttcaagttag gcaagacgct 240
 aacccatgag aaaggagggg acatggctaa tgttcccctc aagaaaaaaa aatgcaggtt 300
 agctcgcttg ggcaagctga gctcgcccg gcgagccacc cctgcaccaa aatataagaa 360
 tgacgaaagg gtgggacgtt ttgcattcaa aaacttcttt tcccc 406

<210> 16767
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 16767

ttgcttggtta tgctaaagat catttaaatt ggtatcaata ttttgcctt agaacaaagc 60
 actcaaaaag acacacatct ccggttctct cttgtttctg tagcatctgc caaataataa 120
 tacataaaat aaaaaattcc cctgtaactc aagctatata gtgcgatgtc ctggttggtg 180
 tgtgcttaat gtgcatgaaa tgcaccctcg ttttattaat tttgaagact aatataattt 240
 caaggacat taagatgacg atttacgcgt taagaaagtg attcagtcct cacattaataa 300
 attaatgga gacatatata atacaatagc agccatctcc gcacttcatt aatatggaat 360
 aaaacaaagg agttaa 376

<210> 16768
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 16768

tggtcatagc aaaccacttt gcatgccaaa catgtgttct cagcctcttg gttacatccc 60
 tagaagtgca aaaaccattc tctaggtttt tcttttagttc atatctccga tgaacacatc 120
 gaggaagctt cttttggtga ttctctcca aacctgattt ggcaagggtt ttatcaatta 180
 ttcccagttt ctgcctcttt cttctgcacc cttttcttgc aatttggtta tcaaacacaa 240
 ttgtccttct tctcttggtt ttttgagacc tataatcatt gcttactcta ttttctatga 300
 tagattgaag actatggagt tcgagagcac gggattcagc atatttctgc aaattgattt 360

tccaaggtgg tgggtggtggt gtatgtactg aaacttg

397

<210> 16769
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16769

tttcttgaaa gaaatctcaa gaaccgntgg ttgcttgggg actggatgta ggcacggggtt 60
attgccaaac cagtataaat cttgtgtttg tcttcttctt ccctacactc tttaaattat 120
gttgtgtact tttaatggcc gcttttactt ttggttaagt ttttgtttct gttcttcact 180
ttcttaactt agtagtaaaa gcctagttag atctagtaac attaagaagg ataaattttt 240
aattagtcaa gacacattaa taattaattc aaccctctct cttaattatt ccgaggccac 300
ttgatccaac aaccatgagt cctacaattc ttaaaggagc aaggtaagct aaacaaaagg 360
catgccacat ggggtggaatt tcttga 386

<210> 16770
<211> 419
<212> DNA
<213> Glycine max

<400> 16770

tatactgtag ctgtcaaaaa ccctctagta ttcttttaca acctattgta atcaattaca 60
ggggcgtggt ctatgacaat tgattacagg ggggtggaat tgattaccag accctaaaac 120
atggattttc aagtaaaata agcattaaaa ctaactattt tacaccacaca aaagtacaca 180
ttcaatataa gtaagcaaaa tatataataa taaaaaaca tcatcaaaag caatcaacaa 240
tcatcataac tttcaaacac aatcatcaaa gacaatcaaa actcaataaa aaacaatcat 300
caaaagcaat caataatcat cataactatc aaacacaatc atcaaagaca atcaaaactc 360
aagcaaaaac gaataataaa aactcaatca aaaacaatca tcacaaagca atcaataat 419

<210> 16771
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16771

agctttgatg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
atcacgatca tçgtctccct ttccatcatt gggggtacca cctgggcccgc cagatccctc 120
caccttttgg gcgtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctgtagttg 180
catcctatcc ggaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattan 240
gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa tagctacccc 300
agtaagactc tçttggaagg aatgtatcag caattcctca tçttttgcgt attcccccat 360
cttctgacaa tacatcttta 380

<210> 16772
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16772

taggaacccc aacgttntag cttcaatgca tgatttcata ctcagtacta ggaacccaaa 60
atttggtttt aaaattagaa aagcatgaaa atagggactt gcttgtaaga attcgggctg 120
cccatgatt ggtgctttgc acctaagtaa catgggaaat gcttttcaat ggtatgtaga 180
tatatgtata aatataaggg ccataaaatt cctcgccaag tatgaataat tgttttctta 240
aatgaatgta tgatagtgtg gaatgctttt ttgaatgcaa atatgtgcag gatgtaatta 300
gctttccaat atgcatataa ataaatatga gtgaaacagt aaaaatttgt atggtgtact 360
tcaaattgat gtaagtagtt tçtgatagca aatgttttagg atataaa 407

<210> 16773
<211> 391
<212> DNA
<213> Glycine max

<400> 16773

tttgcatttt tgcatttgga attgcgaaag cccactcca tcattatgat tagtacctga 60
catctcaaac aaacaaatca aacgtaacaa gacaattata gttgttggtt gaatacctca 120
cccactcaag tgtatcacac aattatggct tttctctaata gaaacactct tgccttttac 180

cactctaatt ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca 240
 attcaccaat atgtgtaagg taaggctaga gagacaagga aaagggttaac caagaaaagg 300
 ctaacaatgt ttttaggcac aaatgaagga aataaaattc agaattttacg aattcaagta 360
 acaatccttc atgcaaccaa tatattacct t 391

<210> 16774
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16774

tagcgctacc gcancntcat gcatcacatt gttacatta catacttgat cngngcngcg 60
 acntcccccc cccccccagc aagaggcatt gatgcgtacg atagccacgc gagcgacaca 120
 atacacacnc aagccgacag cacatagtag taacagaccc acggattata cactccaaga 180
 aactcaacgc catgaaccta aggagagaaa acacacacaa tggctgattg taactgaaac 240
 tggcgcaacc aaaagttacc cccaacagcc aacaagtcag ccaccaaaca gggcacccaa 300
 caagctgacg cctaaggtgc caattaggcc caaaaacaa cctgaacaac agccctacac 360
 aaggaaaaac ccaaaaaaga atctcagcct accaacttta caaagaccgg accattacag 420
 acacaaacta cacaccccgga aaccgaataa agagcggcca tgcaacgctc cggcatgtag 480
 gaaacgagac aaccacaaac cttagactta cctacgagaa acaacggccg gaaggcaaac 540
 acaccaacaa caccg 555

<210> 16775
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16775

ttgcttggtt acctccttct tgactacatc aagaattacc gggttgagtc ttctctgtgg 60
 ctgtcttact ggtttagccc catcctctaa atttatttga tgcatacatg tggatgggct 120
 aataccagga atgtccgcca gggtcagcc tataaccttc ttatgcttct tgagaactga 180
 taacagcttc tctcttgct cattagcaag ggaggaagat ataattactg gaaaactatt 240

gctatcatcc aagtaagcat attttaaatt tgatggtaga ggctncaatt ctggtgtggg 300
cgattagata atggtagaaa gagatgggtt ctcagcctgt acctatata gaaagtcaga 360
ggtatgtgta cttcctga 378

<210> 16776
<211> 409
<212> DNA
<213> Glycine max

<400> 16776

tcacatccta ctcaagaagg aagtgatatg gaggactcaa ttgaaataga cgaagatgat 60
gacccatggt tatttgtaaa aagattcaac aaattcttga gagtaagagg aaatcataga 120
agatcaaatt ttaaataaaa gaaaaggaca gaagattcat cctctactcc aaaatgttat 180
caatgcaatc aacctggaca tctgaggggt gattatccaa tgttcaagac aagaatagag 240
aaatctgaaa agaaagtttt taatgaaaag aaggcaaaga aggcctacat tacatgggat 300
gacaatgata tgaactcata tgaagattca gaaaatgaag tagtaaacct gagtctaagt 360
gccaaagagt atgaaagcga tgaagaggta acatcttcca ataacaact 409

<210> 16777
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16777

tgcttacttg gattgttgaa aataagtga aaaaggaagg agaggtgcag gcagtgtcaa 60
ttggaagcaa ggtgcagagt gaatgcaagg aatggggaag aaaaatgctt aaaggagaga 120
aatggtaact acctaggca gttacgcctc ttacctttt gccagtttcg atccattcgc 180
ttagcacata gacttgataa gcgagcctaa gtgatgtttg agttttgaaa agctcatgtg 240
cttagcgact gtactcactc agcccaattc aagaaatttg aaattccaga gaaacttttg 300
ggcttagcgc anagatacat gctgagcgag ttctacagat ataaagtgtc ttgcaactcg 360
tgcttagcgg gcatt 375

<210> 16778
<211> 409

<212> DNA
<213> Glycine max

<400> 16778

taaagtatgt ccgagtcatt tatttctatg agatgttggt gaagtattgg cgatcagaat 60
tgccattcct tggattatag ggttgaacca agctcatgct ttacaaaaa ggttcatcaa 120
gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc 180
acatcactgc ttcgtctact gccaaacata tttaggattg ttgatgtcct tgttacttcc 240
agtttcacct tgacaaagat gtcattggacc atgttgaaaa tctaaattga ttcaacccca 300
tattctgcgt aaaaattcgc aatacttcaa ctgtacatca ttcacatata tccatgcttt 360
taattggttg cattgctcat tgcattcttt ccttgaaaaa taaaataaa 409

<210> 16779
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16779

atgctntgat gcaaaattcaa atgacaataa cttttgagtc ggatgttcga ttgtgtctcg 60
taggatatcg agacgatcaa acgacaataa cttttaattc gaatgtctga ttgagccctt 120
taatatatcg agacgctcga aattgaaaac agaagctcta tgaaaagtca aatggacaaa 180
actttcaatt cggatatctg attgagtcct gtaatatatc gagacgctcg taattgaaaa 240
ctgaagcttt gaggaaattc aaacgacaat aacttttgaa tctgatgtgc gattgtgtcc 300
catacgatat cgagatgctc gttatt 326

<210> 16780
<211> 419
<212> DNA
<213> Glycine max

<400> 16780

tcaacatcag accacttcca ggggtgctgga actacttcac atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaggattg tgtcatcaag agaatcagga gtgaccatgg 240
 cagagaattt gaaaacagca gggttactga attctgcaca tctgaaggca tcaatcatga 300
 gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggactct 360
 gcaagaggct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctg 419

<210> 16781
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16781

tttcttgtct ttttcagggt atacgaaaga aggcccagga aattcaaaaa tttaatgact 60
 gccctcacgt actgtctcgt ggggggtatg aactgcttga caagaaactt atggaggaga 120
 agagcaagcg tggacatgag gaacattcgt gtactgaaag cccaacactc aacgtcgacc 180
 caccatccct agttgcaaga cacttgaagt ggaagatcgc ccgcactaag cggcatggcc 240
 aaatgacgtc tgaagtggca caagaaattg cagacaaaat tgtcagttca tatatTTTTT 300
 tggttactat cattggcaaa taatggtttag ctaacctagt caaatttggt ttattcanat 360
 tcaacaattg tatatgcatg caggattcat tacag 395

<210> 16782
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 16782

tgcatcatgt gatatcaaga gcatcttcat ctatgtgatg ttcttttgct tcctctatct 60
 ttttgttcgg tgaattctct ttaattcctt gttcttcac cttatcctcca tgtatattct 120
 ccattgtctt gtgggttggg gctgtttaga gtagattcca aaaaaaaaaa ataaaccgat 180
 taaatcttag atctatactt gttcttgcac ttctatgggt caaattttgt agatctactc 240
 ttgaatcatg tttttgtggt gatttcagggt tctatcattt ttcattcata atattcttgt 300
 gctgaacctt agatctaaat tttcttccaa aatattgatt agaaaaaaaa acacaaaaat 360
 ctaagtgtaa atcacttaat ccatgttggtc ttagagtcac gttagtcat agtaattg 418

<210> 16783
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 16783

atcttcgtgg ggatggtgaa tcttcttcag atggtggatg gtacaatggt ggagaggagg 60
 gtatttttagg tattttcaaaa tgtctaaaaa attgagggat gtcagggggt aaaaaaagg 120
 tgtaaatagt catccctttt tcgcttttct tttcctttcc accttttagt ttatttttat 180
 tcttaagttt caatagtcta aatcaaacgg acagatgcta accatggcac ataggagatt 240
 cctcatgacc attttagaac tcgtcactgt tgatgatcaa agaagaaaaa agaagaactc 300
 gttatcgttg cttgcagatg ttggcttaca gttagtcagg attacttggt aggttagccg 360
 acagggttga atctttgaag ttggaagttt g 391

<210> 16784
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16784

tgtaattntt ctcttaagag caatcatagt agactctttc actctaaaca tcttattaat 60
 atttttttct atttctcttt ctaaaacata tcatacattt attcttatca ttagtccatt 120
 accattctca cttctgtctc tttctctcac taattttcat ctaaactcta aagtttaagt 180
 gaagatgtcc agtgtccact aatcattttt aaattatcaa taaaaaatgc tagcaattac 240
 atttcttagg tggagagttg ttctccatta ttcaataaga agttagtgct agatgtacat 300
 ttttccatgg actcgaaaac tacaatacgg attacgtgcc ttccgctgaa acgttctggg 360
 tgtaaacaaa tgtcaagttc cgttgtaaac aaatgtcaag ttcattaatg gttgggttaa 420
 g 421

<210> 16785
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16785

atgcgcgatat agaattggagt tccatgagaa ggaggtctta aggggcattt catcgaacag 60
 gcgatgggagc tcggaggagg agccgggtttt gacgtagagg ttgaggagggt tgtttgtgag 120
 gaagccgccg cggtagcaaa ggccgtgttt gatgattcga gcgtgaatgc atcttccgat 180
 gaatgggtct cgtgatttga ttgcagattg gagaaggtag acgcatgcat cggaatggga 240
 gggacgggtt gnggttggtg ttagcatcaa cacaagcacg gcgcagtgtc tgttcaactct 300
 gttgtaactct cgtactcgta gttaacagaa ttgcataact aanacgtttc gcttctatct 360
 ttagcccggt accgaggaga ggctggatcg aca 393

<210> 16786
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16786

ggcatgatca aactagcggc atgaatccct tttttacaaa tctctctttt atttaccctt 60
 aaacttaaat taaatctaaa atgaccgatg caggattgat taaggagaaa aagtattctc 120
 aaaccttgac cctaggctga taattaaaat aagaagtatt aggcagttaa ttggtagttg 180
 agagttctta attaaaatag aaattatgag aaaaatggta catgtgaaat cataattcaa 240
 gaaactttta ttcatacata tctcttcttt aatcaagttt ctagcattgt tgtcggggga 300
 ctggtagtga agttctcgga taatttaatt tgtgtaaatg aaataaaaag ttgttcatat 360
 ttattttttt attctatnnt attttttatt ctatttttat tagtttaaatt tctgaatttt 420

<210> 16787
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 16787

tgcttagttt gttatctgat tgaaagccaa acaaagattg gagctgggga aggtttcctc 60
 tttgagaaaa aacgagtttc aaagtatgat cttgctaatt gccttggaca atgacatata 120
 aacttagctt tttatgagat ggctacttta tttcatgtgc ttgtcggcta ttctacaatt 180
 aataatatat agtggggcgg tattttgtaa gacatatata tactatatca agtaaacttt 240

gtacgtaaca tgaccacttc cgatattata tagattaggt aatttgatga gatgtatgat 300
aagaggaata aatatat 317

<210>	16788
<211>	422
<212>	DNA
<213>	Glycine max

tgtattcata	gaacatttga	tattagttatt	ttgtttattaa	aaaatatattt	tggccccctaa	60
ttattttccga	taaaactatc	aattcttgcaa	caaaatggct	catgttttgta	atgcaagaaa	120
agtgatggat	aagatagaag	aaaccgtgaa	tattttttggc	attggaatag	acattccacc	180
catttcatct	agataaagac	aacgtggtct	atcataacta	gttcccgctca	agaaaaaaag	240
cacagcgcca	aaaacgccaa	taaatccatg	acatggggatt	ctatttcaca	accagcttg	300
gtagaggggtg	tttcttctc	cacctataa	aaataaaaaga	gcgtcccttg	tatattccca	360
aaaaaactaa	tgtaaaatgt	aatttacatc	taggattact	ctttacgaaa	tataatagga	420
tg						422

tatccggaag	cataaaatgc	atagcctggg	gtgcctaatg	agtgagctaa	ctcacattaa	60
ttgcgatgag	ctcactgccc	tatttgcaat	aaacaaacct	cgcaagacag	ctgcatttat	120
gaatcgtgca	acgcgaaccc	cttgcaaggcg	cccggaacct	gcaaacaatt	ctcatgggtg	180
acagcgtatc	atcgaacata	ctgccatcat	acgctgatta	tcacatatac	acgacgtaga	240
accatgcgta	taaaggcacc	gataacggcc	tagataatta	acgccg		286

ttgcttnag aatggccaga catgatacat gtcagggttt ggtttggttc aagggtaaaa 60
 gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaactttatg 120
 caaaactggt catgcatgca cctatgcgga cactcaagt tcaaattttt atggatcatg 180
 gatgctaggg ctacagattc atttctctta ttttagtcaa cccaatgttt gcaaaatatg 240
 ttcttttatt catttgtgca ttcattccaag tccatttcgg gcgtctggga aaattttcac 300
 agcattcacc cttcaagtgt atacacattc tttcaaaaac tagttatgat cagtgaattt 360
 ttcttt 366

<210> 16791
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16791
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 tatttgtttg atcaaaaaga gcttaacatg aggcagagga gatggttaga gttccttaag 120
 gattacgatt ttgagcttag ctatcaccca ggtaaagcca atgtagtagt tgatgcctta 180
 agtagaaaat cctttcaaat gtctgctttg atggtttagag agttggatct cttacagcag 240
 tttagagaca tgagtttggc atgtgagatt acctctagta gcattaactt gggatatgtg 300
 agagtcacca gcgaactctt gagcgagatc cgtgagggtc agaagtctga cccattcttg 360
 tcagctcagt tagagtccat agttgcaggg agaaagagta gtcttagagt gg 412

<210> 16792
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 16792
 tgtctatgct ttctttgccg gaaaattgtc atttttaga caaaaacca tatgaatcac 60
 tggttcatat ggatcaacaa tccgtatggg ttttttttat taaatttaatt tgggtttttt 120
 taattttttt ttaaattata aaaatatgtt taaatattgg ctggtaattt tttttaaaaa 180
 aaaataatta ttgctaattc catacggatc agtggtttat acggattgtg aatccgtatg 240
 aaccatatgg atcactaatc cgtatgggtt tttttttgtt tttttaattt aaaaaaatgc 300

ttaagttgat atttaaaact gtatttgctt ttgtgccata cggatcattg atccgtatga 360
 tttttttata atattcttta tgaaccatac ggatc 395

<210> 16793
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 16793

tgagggagtg gtgacttccc gttcccagtg ttggtgctta cttgcctgcc ctactttgac 60
 atgtacaaat gattgtttga ggcattggat gtcattctac ctttgaccct ttttagtgtg 120
 ctctactgga gcactagaat ggggccccctt cccagctcct cccaaatagt tgggcgatgg 180
 taagggcggtt taaaattttg tgtcctttct tcaacatcag gcctagcgtg tcaatcttat 240
 tcttttttca aacgaagttt cctggaaaga ctagatgagt ctccttgaac agcatgttca 300
 agaagctggtt tgagtttgat tcaaacattg ttcgtcgttt taaggaccac tttattaagg 360
 tcttagctac tagattcatg gctaattggca tgccactgat gcttaacagg gat 413

<210> 16794
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16794

ttcttgaagg taaactanat gccttggtta acctggtaac ccactctggcc tcgaatcaaa 60
 aatctacacc tggcgccaga ctctgaggtt tatgctcctc tgccgaccac cacacaaacc 120
 tttgcccttc tatgcgacaa tctaaagcaa ttgaatagcc tgaagcttat gctgcaaaca 180
 tctacaatag accttggtcat accctaattt cgtccgggga ttataatttg atgatataca 240
 accattgatt gaccgcttcg agatgactgg caaccctttg atgcacaata tgtgaagtcc 300
 cgagacgtgt ccaaaatcaa aaaggaagca tgcttaccgg atccgtgaaa attccgtgat 360
 gtga 364

<210> 16795
 <211> 423
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16795

gacactacac aacactcaag cttcagacca tagcaactca gaatctacgt attctttatc 60
cctcatttta atggactttc acggtttgag aagtgaaaat gacaatgggc gtgaattata 120
gcgaactctc acctcacaca agtctatacc atcagttaac ttgctcaaac tggattaacg 180
cctaaaattc tgccgaatca aaatttgact cttcaacacc caattttacc ctaaaaatgg 240
ctcttgccct cactttgggtc attcgtttat ctctcttaca cagcccaaac tttctcataa 300
gatctaaatg acatttgag ctaagatgaa ctccctttaa cctccaaata ccactaaagt 360
cagatttggc ctttcaactc tcaaagcctc actctnttat cactcataac accatattct 420
cac 423

<210> 16796

<211> 386

<212> DNA

<213> Glycine max

<400> 16796

atcttaacgg agtcttaact atctaactta taaaggcatt ggtaaataac ttgatatgta 60
aagaagtttt ctaaaacaac aatctattat gaaaaccaa aagcgaaaat tagtaccttc 120
aacttttgac tgttgtcgta gaattgcctt tgctcttcg gttcatcaat tattacattt 180
tttatctgtg atgttttgtg ccaatcctgt ccaacctcct tctggtattt ttgcataat 240
tcaggacaac caacaatttc taatgtttca agatttgatg ggtgatgcat gttttgagga 300
agtaaaagca gctttggaca accttgaatt ggaagttgtt tgagacaaat cagagttgac 360
agccattcag gaatctcctc aagatt 386

<210> 16797

<211> 417

<212> DNA

<213> Glycine max

<400> 16797

tgcatgattt acatctccct ctttctcaat ctaattcttc ttgatatcat caaaatcttc 60
atgatttaca ttctccccct ttttgatgat gacaaccacc tgtaggttag gagcaacaac 120

aaagaaaata tctatttgca tatagtttac tcccccttgg ttttacaatg attgcttata 180
 tgagacaatt gaagatttca tatttttcat atataaaaag ttgtctcata aaacaataga 240
 taatttttct tactatttta tcttttatct ttctctcccc ctttgtcaac atcaaaaaca 300
 aatcatgaat agaaaggaga aagatgttac cacttggtgc aatgtatgag aataagataa 360
 ggcattaaaa caatcattca atattaatca agcaaaaaca agtacaataa cacatca 417

<210> 16798
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 16798
 tgcttttaaat aggctctaaa attgcgacat cgcgcttagt gccaccctca ctcttagtgc 60
 gagtaagtgg atttgggctt ggcgccagtc gtgcgcaaag cctggcaaga gacaaatgcc 120
 tcgcttagca aactgatctc gcgttttagca cgcggccttg atccttgtgc tcttctagat 180
 tcccttatca cgctaagcac gctgaagctg cgcttagtag tggatgcgca ctgagcccaa 240
 atggtgagtt gagcgcaact gctcccttta gcacttcaag attttagcct cttttgacct 300
 gaaattgtgt aaattttatc attaaatcac ttgggagata ctctagagac aactataaca 360
 ataaaacaag atttattta 379

<210> 16799
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16799

tgtctcagcg tttatgcgag acggtgacca acatgctagc tatcatcgcc aagtaaccaag 60
 aagagttagg tctagccgcg gcccacgagc ataggattgc ggacgaatat gcccaggtat 120
 acgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
 aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct 300
 attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta 360

tggtctctaa gaccttgact aaatacgact tcctttntga aataaaat

408

<210> 16800
<211> 281
<212> DNA
<213> Glycine max

<400> 16800

tatcttcttt gttagacctc gatcgggtcat ctttccaggc cgagggtcgac cgtcattttt 60
ttcgatccat ttcgggtgaat aatatttttt tgccgagatg ggctaataatgat ttctgtgccg 120
aataaatggg aaaatgccag attcgggtcga aacgaaaagt cggttgagct cacacaaaaa 180
aacctatccg acctacatta taaatttttt atgcatcacc aaaacaagaa aacttcctgt 240
gccgtaaaaa aaaaaaaaga attcataaga cagagcgcgt t 281

<210> 16801
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16801

tcaccggatg acgccgatcg aacatttcct aatcgtcgtc atgcaaattt cgttcaggga 60
ttgaattgaa aactcgttag gcgacatctg tcgtgaagta gcgaccgata tttttcagcc 120
gacattgcac aattcttttt agaatagtc gctgggtcgat aatgggtcttt ttacggcaga 180
gtaagttttc ttgttttggg gttgcataaa aaagttacaa tgtacttcgg ctaggttttt 240
cgtgcgagtt caaccgacat tttgtttcgg ccaggataac attagccac ctctgcaaaa 300
aaaaaatatt tgctaaccgt cttcatgcat atttcattca acgattgaat agaanactca 360
atagccgaca acggtcgtga aatagccccg actggtat 398

<210> 16802
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16802

atgcttctat ataagctgaa cccatttatc aataaacaca agttgagttt tattcagaaa 60

atggatgccg gatggtgac

380

<210> 16805
<211> 420
<212> DNA
<213> Glycine max

<400> 16805

tctggtgact gggaagcacg ttattctgtt gttttccatg atcggttcct tcgccaagta 60
tgtgtatatg tgtatatgtg tattatgttc attgttcttt gttattgttt atattttgtt 120
ttgtgcagaa gaaaaaaaga aggaatggag acgagagtcg tcatcacaga aaagggcagg 180
acggacgaaa tcagtgtcct atctttgctt tctcttatac tccgatgaga ggtaagtaaa 240
gaggggcaac tgtcataccc taattttgtc cgtggattat tacttgatga catgcaataa 300
atgaagtccc gagacgtctc agaaatccta aatgaagcag gcttgtgtta tccgtgaaat 360
tacgtaaggt ggcggaaatc gaaaagaggt gtttttgtgc aatccgtgag tatttataac 420

<210> 16806
<211> 388
<212> DNA
<213> Glycine max

<400> 16806

tgcttgggtg atgttgcgcg tactgatggg taccatgagg tgtttggttg ggtttgacct 60
atgcgggtgt tgaagagacg gcatgggcat ctcttcctt cctttttgcc cctgttgccc 120
cgattctttt ggcgttcacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
caacctcgat tctttccccc gcaaacacca gatccgcaa gctggacggc atgtaaccca 240
ctagcttctc atagtagaac actggcagag tgtctaccat catggtgac atctctctct 300
caaccatggg aggagctact tgtgccgcca aatccctcca ttgctgcgca tattctttaa 360
aggtttcacc ctctttctta acatattc 388

<210> 16807
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16807

tatagacaac tcaagcttgc tttgaaaact tccattcacc ctaggcctta catagctaca 60
atgggttagt gagaatggag agctaattgt agatagacaa gttttgatat gcttctccat 120
tggaataat gttgatgaga tactatttga tgtagtcctt atggaggcta gccatctctt 180
acttggaagg ctttggcagt atgataggga tgctgtccac aatgggtgtca caaacaatt 240
ttcatttgta cataaagggc aaaagggttac ccttaaacct ttgtctccaa gtgagggttg 300
tgaggatcaa ataanaatga gagtgaaaag agaacaagag agaaaagaag agaaaaataa 360
aattgatgaa aagagagaga aacaagaaag gagagataag aaagaaaata gtggaggtaa 420
aaaaaggagt gaaactgaaa 440

<210> 16808

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16808

ttcttcaatc aatttcttca aatgatttta gtcaattcaa ttatctaata acctttgcac 60
atataaattt catgatgaga agtcacctac acgtaagaaa atataaagct tgtgaaataa 120
aagtgtcaat atgtgtagtg tatacactgg ggcgtcgaaa atttaaagaa aagaatcaac 180
aagattgaaa ggctaataata tcctctataa caaaatcaca accacacaat ttttatgctc 240
cttataaaga atcctaacgc ctaagggtaca cactcaacac aagaacacat caattttaca 300
acaaattcgc atcgaaacac caattgggtcc atcaaacaca ctanatccgt gattaaaaca 360
aaacaacaca tagttgaact tcataaaaca ttc 393

<210> 16809

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16809

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ggagacatcg atattgaagt agtcaatgaa tcttgaggca agtacaacat aaggaaattt 120

gtagtccact aactgatgac tttttaacat gatgtcttct atcaaaagta cccaattcat 180
 cttgatacct gatttttagac catagacagt ctgcagatca tcgtccatta cctaagcgtg 240
 attacttaac ctctgantca naatgtaggt aatgaggtaa ctaggagatt cctcaagntc 300
 cttgctgggt caagaagcat tcccctatag gtctgcatct tgttgtaccc atcagctgtt 360
 tcatcgaact tgtggactcc acccatgtcc agaccgacta cttccttcca tacttcaat 419

<210> 16810
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16810

tgcattcttt atctcatagt aaattaagca taatgaattt atgcataatt ccattgaagt 60
 gctggtagct aagatggaaa acatggcagt ccccaaaaag attctaaaga ttcaaattgc 120
 tcaatgtagt tcctctttga gggaccatga ggtgaacata gagaagcttg acacaactct 180
 tagaggaagt gtccaaattt gtaccgcaca gtccttctca tctaggtaaa ttggaaaaga 240
 taaggacctt gattaaaggt gaacatcaaa agaaaaggta aaatccacca gtaaaactta 300
 aaccaccttc ctcactgctc atgtttgact ntcttgga tgactatatt gttgatacca 360
 ttttggacta aaactaanac taagagaaaa catagagaat g 401

<210> 16811
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16811

tgtccttggt tgtgtttcga tagaagtgga tgtgcggctt gcttatgaca cacatgccat 60
 tatcaggaag gtatttgatt atatgcttca ttgaccactg ataatgttaa tatttcattg 120
 ctttgcattc agaaagttag attgtgatgt tgaatacatt tgtagtttca atgtatttta 180
 tccttggaga aatatatata ataaagcatg ccaaataagag catctatctt gagtaaagta 240
 accaagaaac atactcattg caaaatttat ttgtttttgt tggcatctta atgaaatttc 300
 accaattaat gcatgttaaa aataataggt actataagtt gctaattcat tatgtccacc 360

angcttttgg ttgctaattc atttatgtgt tgttgcaaac ttactcaaaa g

411

<210> 16812
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16812

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cacatcangc aaagagaccg agccggaccg gaacttaacg cagctgattt ctgcttctta 120
ccatctcanc atgagactca tatatgttgg ctacactgat acacaatggc aatcaaccca 180
tacacaaaca cgcactggga gtgagctacc acatgtcgtg ctaaaagacg gactagcgac 240
atcacatgca aagtactata ctgatttata gcatactca acgtagttca atacacgtca 300
ctccaccact ttatcattta gaatggatat gtcaattatc actcacatta cacatgaatc 360
atacactcga gtgatacata tatcactcac cgattcactt atacagtcac aggcatatga 420
taatatatcg aactaatcta tatgcatggt acatgtcagg aaacacacta acacgttgg 479

<210> 16813
<211> 238
<212> DNA
<213> Glycine max

<400> 16813

gggacaacca tccatggagg gtagtgatac tcgctaacag aaacgtgtcg ctgggcatca 60
gagtcagca caaggcataa cagccgacga catctggggc aaggacgcag aacaaaacca 120
acgggagggg caaacacgcc actacaagaa aaatgctgga ccctgcccac ctacgaggac 180
acatggcaag aaaatccgca ccccggggca cccgccaag cccgtcccga ctctgacg 238

<210> 16814
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16814

ttgcttgac aacaaataac taaatatgtt tttggtacaa aataaagtaa ctaactaact 60

aacttccact aatatataca gttactactc cgaatgaagg tatgaacctt gattaggctc 120
atctaatacta cctaatttaa ctaattacac aaagccatgc ccaaattcgc agcccaatta 180
ttcaagtgtg gttttgactt ccaagcccaa ttcgacaaaa ttgaagcttt ccagggacta 240
ctcacattga gcatttggag tttttagta ttctataggc cctacacaag gcagataggt 300
caagtaagca taaaaatcca aaaataagcc acaattatca attaagctca atcatcttcc 360
taagacgaan actaagctaa agt 383

<210> 16815
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16815

ntcataccct gtgttaggaa gattcgataa attttactca gatagggaag ctcagatgat 60
agaaggagaa gattctaaat ctgatgaaga tttaatcaag gcaaaggatg ccactaagta 120
ggtgaagttt gatagttgca caaataaaat cattagtgtat cataagcagt ttgaagcacc 180
taatgagact gatcaagatc ttcaaattca cctcaacat cagaatttag caccagttga 240
ggggactaat tggacaagtc aaaactatcc aaagcagccc aaaacaacaa caccctaaaag 300
gcataaagac aaatcaaagc tcttgaaaga tatggctttg atatactgtc tcatgcacta 360
caagtagcaa aagaaattga ttcattcgaa ccaaccactt atcagaaagt aatttctt 418

<210> 16816
<211> 378
<212> DNA
<213> Glycine max
<400> 16816

tttctttggg gctaaaaagc tatataacag caccaagggt ctagttcagc tctctctect 60
ctctctcttc tatttttcgc tcttagcttg agtctctctt ctctttctct tttattatcg 120
ttccttacia ttccatttcc gacgttgagt cttatcaata caatttcgat ctctattaga 180
ttaatggcag gctaagtccg caacgttgat ctctctggag gatcaagcac agctctcttt 240
gaggttctat tatcactggt acattctggt cagtttttcc tcttcactaa tcaactctgaa 300
tttgggcta ttaatctatg catgcttagt gcccgattaa ttgtctctgc gcataattca 360

cgtacgttca tgcttaat

378

<210> 16817
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16817

tagactctgt ttcatagaaga agaggatcat ctatttgagg gaagagtcgc aagtttgaga 60
ataggattta agaaactctc acgtgaaaga gaggagaaat ataaagaaaa tacgcgaatg 120
ttctgaaaga ttcttctatc aagaagagaa tttcaatttc tcactttcta gaaggaaatt 180
gaaattccac attttttagtt gtttaaaatt atgttttaaa attccaaaat ttaaattctt 240
cataacacac catccccaca atggaattta gattatagaa agtgaaattc tctgatcaat 300
aactgtccac aattaaaatt ctttatccaa aggtactcta aggcttactt tacaccttcc 360
tatgtatggt gaactcacta ggcttggtta ccacactntt agaagttcaa tattcact 418

<210> 16818
<211> 359
<212> DNA
<213> Glycine max

<400> 16818

ttcttctttg ttagacctcg atcgggtcatc tttccaggcc gaggtcgacc gtcatttttt 60
tcgatccatt tcggtgaata atattttttt gccgagatgg gctaattgtt tcttggccga 120
ataaatggga aaatgccagt ttcggccgaa acgaaaagtc gggtgagctc gcacaaaata 180
acctagccga cctacatttt aaatttttta tgcaacacca aaacaagata acttctctgtg 240
ccgtacaaaa aaaaaaaca ttacatgaca tcgagcggtt tgaaaaaaca aattgcgcaa 300
cgtcggctgt aaatatcagt cggggctttt tcacgaccga tgcggctat tgagttttc 359

<210> 16819
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16819

agcaatgncc cttgatatat tngagggact catgttcact atgattgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180
cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atttttgaaa gttnggcaac gcaagtatgg aggcattaga tagcttttgn nnaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccagc atttttcttg agcacttcat 360
tgagaggtgc taccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaa 418

<210> 16820
<211> 236
<212> DNA
<213> Glycine max

<400> 16820
gatctaccac cggcagcgga atatcagcat actatcatgg ccaagattat cagcactatg 60
atttctagcg cgagaactcg gacatattac taggaaatgt gaacgattta gtattgcttt 120
tatttgcaca aaatgagtga acaaataagga agtgtgcaca atgactatat ggggcgtata 180
taattgatct aatcacgtat cctcgcttat gaaaggatga gatattacca tgaatg 236

<210> 16821
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16821

cacacataca aacgcaagct ttgagtgatc gattacacta gtgaggcaat ttatttccag 60
ggatatgccc tgaaggaagg agaggatgtt actctttaat acgttggtga ctcttgcata 120
ttggtggtag gaaatcccca ttaaaggacc tcactgtgtc ggacctattc gccctacatg 180
aanagcctat aaaagcactg ctatgaaaag cttttgcata tactattcca aacaatctta 240
ttaaatacctt aacaagcctc gagacgctgt gaactgcac ctcggattgg tgccaagaac 300
tatacaaaaag aagctgggtt tcaaaaca 328

<210> 16822

<211> 376
 <212> DNA
 <213> Glycine max

<400> 16822

tgctttgaag gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
 atcagatca tcgtctccct ttccatcatt gggggtacca cctgggcccgc cagatccctc 120
 caccttttgg gcgtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctgtagttg 180
 catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattat 240
 gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc 300
 agtaagactc tcttgaagg aatgtatcag caattcctca tcttttgcgt attccaccat 360
 cttctgacta tacatc 376

<210> 16823
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 16823

tcagaaaact atagaagata atgctacggc ggtcgtttcc aatacaacta gggaagcgga 60
 accggttcta cagcccgcaa taaacttggg ccgagacaga aacatgatgg ttttcgggtcg 120
 gaggtatagt cctcaagcct acccttatgg ttgacctccg gacttcaccc cccctaccgc 180
 tccagacgat ttgagccaag cccctacctt tgaggggcaa ctccctcctc atgccgacta 240
 tcctctgcaa gaagatgatg aaggagatgc ccatctaggc cctctaactc cccctcaagga 300
 tccggccccc catgaattgc ctcaaccaa catagtccgc caggtcccgt ctccacccgc 360
 acccgtaac gagttatttc cctcggcaac ctaccgtct ta 402

<210> 16824
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16824

agataataat tgattatagc ataaattatg taaatnaaan nannaaaaaa gaganattaa 60
 ccttgattca ggcttgaaac atagggaagg agngganngg gatnttaagt ttttgatgta 120

tgatgttata ttttagagga gtagatattg atgtattgtg gngatatata tataaaaaatt 180
 gtatgaagat aangttataa aaaagtatat tagtaatgaa gaggagaaat agagaaaagg 240
 agaagtggta gatagaatat atgatgagtg aagaagagaa ggaaagtaaa agaaagagag 300
 tataatgaag gaataaaaaa tgttgaggta agatgtaata tggaaggtag aagggaggat 360
 gaaaaaaaat agtgaagtaa gaaaaaagaa aggaggtagt tagaaaaaag gataaagagt 420
 gaaaaatgta gaaaagatag gaag 444

<210> 16825
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16825

ctatcaaata ttaagtgagc ccactgtcat tggcaaatga aactaaacat aaatcgcaca 60
 ccaaatttt cagcacaagg taattatatt gatagatgtg gcacattaca tgtaaaatat 120
 ctattaagca tgaaaatggt gcccaacaat agaaaatctt ccentnnncc ctcnnccctca 180
 tatgggatta ggtgatggag tggtnengag gccttaaacc atggtaaaca ggcttgagggt 240
 ggaccatctt agataaagaa ataaacctgt gcgaaaacaa catacccatg tgaataaaac 300
 aacctataat tg 312

<210> 16826
 <211> 374
 <212> DNA
 <213> Glycine max
 <400> 16826

ttcttgacta ggcggattgt ttttagcctt aatttcgctt tagttattag tcaattcaat 60
 taagaatgag aaatcccaaa gagaaaacgt ccgattgatt ttctgcttta ctttactcaa 120
 aggtattttt tttattatta tattattatt ttacctcttt ttttatttcc aacgtgctta 180
 cggcacgacc gaacggtcgg aattcatttt aaccaaatt aacggatgat acaattttaa 240
 tgatcgggtg aaattttatt tatttttaga ttaggcgaga aatgacttaa ataaatggct 300
 taagcacatc aaaaggggggt ataaaaagca aatgaaaacg agaataaaaa tacatgtgtc 360

gcaacctacc cttc

374

<210> 16827
<211> 419
<212> DNA
<213> Glycine max

<400> 16827

tatcataatc gattgcactg ttgtttttta gacaatgatt gattttattca tgagtctgtg 60
ttttaattga ttaccatgtg atatattcga ttactttctat ttctataagt atttcagaag 120
tgatcaagaa cactttaatg gactacattg aggatctaata cgattacatt gtgcttgaga 180
ggtttccagt ttttgggatg aacactttaa tcgattgata agataatata attactact 240
tcattgaaat aatcgattac attgtatatt taatcgatta taggcagtta taattgtttt 300
ctctataaat agtcaccttg tgttctcact tctaagtaca agttcattaa gtgtgaaatt 360
atatgagctg aaataattga aagaatagaa gaagagtgtc tagaaacagt gactcaaaa 419

<210> 16828
<211> 366
<212> DNA
<213> Glycine max

<400> 16828

tgcttttatat aggttctgaa atggcgatgt tatgcttagc gccaccctcg cgctttgcgt 60
gagtaagtgg gtttgggctt agcgccagtc ttgcactgag cctggctaata gacacctgct 120
gcgcttaaca cattgatctc gcgcttagca cgcggccttg atgctgatgc tttgccagat 180
tctccttcgc gctaagcatg ctaaagctac gcttagcggt ggatgtgcgc ttagcccaac 240
tgctgagctt agtccaacga ccacttttgc acttcaaaac ttagcctctt tttcacctga 300
aatgcacat atttcatcat taaatccaat ggaaatgttc tggagacatc ttttaaccata 360
aaagaa 366

<210> 16829
<211> 421
<212> DNA
<213> Glycine max

<400> 16829

tgaagaattt ttggctttta catgcccgcac tcccttgtgt gacatttgta ttggttgta 60
tcttggttgt tgcattattag tacatttgat atctatattg catcatgcat catcatgggt 120
agtgagaaga aaagtttcta agttagaaaa gttacttcaa agggaaaaaat tatttgtttt 180
aatcaattac agagttgtcg taatcgaata caagaagcta tctaaagctt aaagagttga 240
gtctcgtatc gatttaatcg attacagtag tctcataatc gattacacta ttgtttgagt 300
caatgactga tttattcaag agtctttgggt ttaatcgatt accaagtgga ttaatcgatt 360
acttctttct cgtttggtta tgaagatctt tttcttgga gtgagttgta tcttttgagt 420
t 421

<210> 16830
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16830

atcttgaatg catgtaaccc gccatcttct catagtagga caccgttaat gtgtctacta 60
tcatcattat caactccctc tccatggggg cactacttga gctgccatat ccttccacct 120
ttgggcatac cctatgaaag attcgtgctc ccttttacac aagttctgta gttgtgtcct 180
atccggagcc atatcagaat tgtactgata ctgcctaag aaggaaacca ttaggtcttt 240
ccaagaatgg acttggaag gctccagatt agtgtacaa gtgacagctt ccctagtaag 300
gctttcctgg aaaaaatgca tcaacaactt ttcattcttt gtgtatgcct tcattntcct 360
ccagtacagc 370

<210> 16831
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16831

ntataagcgc tggtcggagg gacgaaggtc aagtggtcgt gatatacttt gatggtgttc 60
cgggtacatt ggatttggtg cgaccatgcc ctctgattt ccagctggga aattggcgag 120
tggaagaacg tcccggcatt tacgcgacga gcataatgta aacctttacg gttttaaaag 180

ctctatagtt gggcctaggc tttagagttt ttcttttgtt aaggctttgt gtcttttgtt 240
 tttgaattta taatacaagg atctttcttc atctgtgcct acgtgtctac ccattcttat 300
 ccatttgcac gtttacttct ttatttctga aacggcagat ccgatgacga gtcccccgaa 360
 ggtactaata cctgggaccc gcctatcaac ttcgagcaag aaacgaatca nacggaa 417

<210> 16832
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16832

ttctttctag tgaacccaaa aatggtgaaa tcttttgagt ctatgaaatc atagcgagct 60
 ggttttaaagg tgttgatcaa acccctcact tgctcaccaa gacatcgga ttggtgtgtg 120
 ctaccttaaa ctataggtgg ccaattctac atctgaagct agatgatgta tgagtgtcta 180
 atgttgatga ttatagatgg caattaccaa ggggtgtcaat ggctgagaaa tgcttattaa 240
 tgttgaaact tgaaagacaa tttcaccttt gatatatgaa gtgatgagtc acaagtgaac 300
 atagatcttg tcaaagcag cttctaggaa ctataggttg gtttggttat atattagtc 360
 accaaatctt ataatgt 377

<210> 16833
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16833

tgaactcctt atcctaaact tctgcaaaaa gcttttaatg ttgccagagc ttccttcaag 60
 catgctacga ttggatgcaa gcaattgcac ttcattggaa acttccaaat tcaatccatc 120
 taagccgtgc agtctcttcg catcacctac aaaatgacat ttactaagaa aattggaggc 180
 cttcttgaag tttgtaccct agttttcccc acactctcaa gattgtctgt gtataacaat 240
 catctatctt tgctgctcat tcaacattac attatgtgtg tattgttaca acatacagga 300
 actccgtctt ccaaagcaag atntgacatg gagtgaaatg ccatcatggt ctgtccctcc 360
 aaaatatgta gtcccacctg agatgcacca acatgaagct gaatgctgct tgtttagac 419

<210> 16834
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16834

atcttatcac caaaacacgt attattagct aagtgctaata caagagcggt tatacatcaa 60
 atcaacacgct ttttagggctca gtttctttta gaataaaaaa ttttaaaaaa taagtgtatt 120
 acatctagca tgtaaatcaa ttagtggcag aattattcta atttaattat taattgtaaa 180
 ttttaagtctt ttatatatat agttgtatta aataattaata agataaattt ttatcatctc 240
 acacgtgatc atattcaatt taaataggat tgtgtctagt tgcattgtaata atatatattt 300
 ttttagtgct tgattattct gaaattttgc aacaaacaca taaaaatctt tttttaacat 360
 ataaaaacct taattatttt ttacaataaa tg 392

<210> 16835
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16835

ttgctttgat ggtgtcgaga agaaatcaca tgtttgtcat catcaaaaag ggggagaatg 60
 tgaatgtatg tatacatgat tttgatgatg tcaaagaaga atctaacaag gctgcttcaa 120
 atgataagca tttgcttcaa gaataattca agattgcttc aacaaacaaa gccttggttc 180
 aagattcact aaagaccaag ccttgccctta aaacaaagtg ctttcaagac atgcaaggct 240
 ctggtaatcg attaccagga agtgtaatcg attactagaa gacagggttg agaaatagct 300
 ggtgaaaaat gttttgaatn tgaattttca acatgtaatc gattaccata tgtctgtaat 360
 cga 363

<210> 16836
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 16836

tgccactac tatcttgaac ttagtggttg atgttttcac acaagacac ctacccttag 60

cccaatctag aaaaccctat tctagcatgc ctttagaaat tcatgcatac actaacaaca 120
 tgtaaaacac acaatgttaa caacttactt ttaccatgaa tgcttcaaaa aatgaagttt 180
 agaaggtgtg agtcgcacaa acttattctt agaacttttt cttttctctt aaaagtgaga 240
 acataaggtc attatttata gagaaaatag ttataaccgc tgtaatcgat tatatcaaag 300
 aagtaatcga ttagattatc attttaatcg attaattgtg tcttcccaac attggaaagc 360
 tttcaagaac aatataattg attagattat tcatgtaatc gattgaagtg ttcttg 416

<210> 16837
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16837

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 gataaaagag agagaaaaac agaaagaaaa aaactagaat atatgcttgg aggaattact 120
 ttaaaaaata attaaatgta ggtttaaata ttcttaaaaa tatgagcttt ttttagcttt 180
 tgtaaaaaaa attaatataa atatttaaaa ataaaaatga aaacaggtgc attaatcca 240
 atttattatt atttatcatt attaaaaaaa gttagatatt ttaaaatagc tcagtgtaaa 300
 taattctaaa aataattaat attttttaaa attntaaatg aacaaacaaa taaaagaaat 360
 tcttaaataa tatacaaatg 380

<210> 16838
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16838

nttctattg ttctgagcaa tggaccaaaa ctgattaatt catttgctac tgttcctaata 60
 ggggtgtcca ttctttaccc ttgcctgaaa gttcgttttg tcaagggaga gggagagact 120
 ttctgaaatg actacactga ggattttcat actgttgacc cattttcttc tgtgcattcc 180
 attgaaagat atctatggcc aaaggctcagt gcaaaaaggca cagagcatgc tagatcgta 240
 tctgtccaag tagtgtcgca acctgaaagt ccttctcccc ttcaatcacc atcaaatgca 300

agttcagtcc cagttgaaat tcccgtaatt ttaaggactt ctgacatgat gacagatctc 360
cctgaaacac aggtgatatt tgtatccata atntattgat tgcagaacta tct 413

<210> 16839
<211> 391
<212> DNA
<213> Glycine max

<400> 16839

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aaaattatta atctaaaaaa gaaaaattaa aaaaatattt tgaaaacaaa ataatttaaa 120
attactaaga gaaagagcaa ctaagatttt gacagaaaaa atgaatgcaa aaataacaca 180
attaaaaatta aaaaataata accattaatg tcttacattt ttatgcataa acatatatat 240
tacttttaat ttaaaaaataa aaatatttta gtcatttgtg tgaaattaaa ttacttacaa 300
caaataaatt taattcaatt ttttaatagt aaaactcttt atatatatat atatatatat 360
atatatatat atatatatat atatatatat a 391

<210> 16840
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16840

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tgtaacaaat gttctacact tggagtgatc acatgcagtc ctcttaaacc cttaccaccc 120
actctgtcat catgccgaga ctcaggaagg ccaatagggt tagccttctc taagtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttctggacga 240
tatagattct ttttataccc ttttaagatt ttcatgtatc gttcaaccag gtacatccac 300
catagataaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc 360
atgatgtcaa agaaagcagg gggaaaatac atctccgact ggcacagtat aattgc 416

<210> 16841
<211> 383
<212> DNA
<213> Glycine max

[illegible]

<210>	16842
<211>	407
<212>	DNA
<213>	Glycine max

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attaaataca	ataaatatgc	gttttaaattt	agctaaacat	attcacaaga	ttgataacca	120
aaatcaccaa	ctctctatac	aggacattct	agtgggtgatg	acctaataaaa	aaattagaaa	180
acactcagat	ccaaccttgc	attacaaaaa	taacatggtc	tctttacaca	tcaaaccttc	240
tcaagaacac	aagggtttgct	tcctcagcat	ttcctcaac	ctactcaaag	atattcatcc	300
tagttgagtc	aagtcatttt	tataagcagt	cacactcagc	ttcctctatg	tacaattctc	360
tgaatggagt	ntaagcaaca	acagtgattc	tagaattctg	gcaatcc		407

<210>	16843
<211>	384
<212>	DNA
<213>	Glycine max

atctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg 60
atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaggcccgat aatatatcga gacgctcgaa attgaatggt 180
gaagctctga gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240
tcacatatcg agacgctcga aattgaatgt tgaagctctg agcgaattca aacgacaata 300
actttntact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaatg 360
ttgaagctct gagccaattc aaac 384

<210> 16844
<211> 385
<212> DNA
<213> Glycine max
<400> 16844

taaacattca acttcgagcg tctcgatata ttactgtagt ctcaatcaaa catccgagaa 60
aaaagttatt gtcgtttgaa ttggctcaga gtttcaacat tcaatttcga gcgtctcgat 120
atatgacagg actcaatcag acatccgagt aaaaagttat tgcgtttgaa attagctcag 180
agcttcaaca ttcaatttcg agcgtctcga tatatcacgg gactatatca tacatccgag 240
taaaaagtta ttgctgtttg aattggctca gagcttaaac attcaactgc gagcgtctcg 300
atatatgacg agtctcaatc agacatccga gaaaaaagtt attgtcgat gaattggctc 360
agaggttcca cattcaattt cgagc 385

<210> 16845
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16845

ttgctntgaa caatatattt gtccttcatt taactgtctt tgggcttggc ggccacactc 60
aaciaagtat ttctgacacc tactgtacgt tgatttgacc aacgttgata tgggaatgat 120
gcgacaatcc ttcaaaacct tattgatata ttctgagagg ttggttgatca tgtggccata 180
ccgacgtcct tctctatcat aagccatcgt ccatttttct tttgaaatgc gatcaatcca 240
tggtgctatg gctggactca gttcacgaaa tatttctaga ttttgatcaa aaatgtgctt 300
gcaaggagta taggctgcat caaattagtt atgaataaga attctaagta tata 354

<210> 16846
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 16846

tctaattgttg ctttcgtaga gattttacag aagttgtcaa tcccaaacat gttgtcatca 60
 attagtcttg cttcaaacaa tttccaataa gcaaaaaagt tcaaatctc ataatgaaa 120
 atatctatag atttggaata agactttcca aatgaactg aaaatcaaaa caacttacga 180
 gcacaagcac acactataga gcttatacgc tcttgaaaat caaattactt ttagtctgca 240
 aaagattaac acacagtgcac tatagattaa tttcttggtt gaaatataga taattcctta 300
 tagagtagtt caaatcttg cttggctata gattaattca ttgagaatga attgtgtggt 360
 tcagtaatgg aatttgtgca tcaacattta cagatcatgg ttagaacta 409

<210> 16847
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 16847

tttcatgcat tctataactc ggatgtccga ttcaggcgca taatatatcg agacacttga 60
 tattgaataa cagaagctct cgagaaattc gaatggatcat aacttttcac acggatgtcc 120
 gattcgggag cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat 180
 tctaattgtc ataacttttc actcggagga ccgattcagg cgcataatat atcgagacgc 240
 tcgaaattga acaacggaag ctcccagat attcaaatgg tcataacttt taactcagag 300
 gtccgattca ggcgcataat atacgagac gtcgaaatt gatcatcgaa agctctctag 360
 aaattcatat gcgcataac 379

<210> 16848
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 16848

gcttgtgcaa atgcaaacgg tattatcttt ttactttgat gttcgatcga gtcacgttat 60
 acatcgaaac gtcgcaatt gaaaacagaa gctctgtgca aattcaaacg acaatacatt 120

ttaactcgga tgtccgattg agtcccgtaa tatatcaaga cactcgaaat tgagaataaa 180
 agctctgaac aaattccaac gacaataact ttttactcgg atgtccgatt gagtccagta 240
 atatcttag acactcgaaa ttgagaatag aacagctgag caaattttaa cgacaatgac 300
 ctttttactc ggatgtccga tggagccccg agcgtctcga tatattatgc gc 352

<210> 16849
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16849

tgcttgatga accctgtcat tttataggtt tattaattat gataagatgg tcacaaacac 60
 acaattaact aataatcaga atgatcaatt ccaatataga agtgaaagcg atagaaaaat 120
 aaaataactg aataacattg aagaacttta ttaaaaagag gaacgagagt acatggatat 180
 agttacctca ctattcgagt tctacggngt ttaatcaacc atggtcataa aataactaaa 240
 caacatacaa tattgcctta gaaataaaaag agatcggaaa tccttataga tttggacccc 300
 aatTTTTtctc cgtgcaattc tcctctcaaa agctcttgta ttttgtaaaa tgtataatga 360
 atttcaaadc catgaaatac aaact 385

<210> 16850
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16850

tgngggctgc tgttctcgta gttcccgtga gcttgggggt ttttgaagtg agggggaaga 60
 gtttcgggtg aagaaaacgt tccccctcca cccctttata ttttctgtac aggggttgct 120
 cgcccaggcg agctaacctg tacttttttt taggggtgca ttaaccacgt ctccccctctc 180
 ttatgggtta gcgttttgcc taacttgagc ctacttaagt tagaattagg tgctgattac 240
 ttatttataaa caaacaatag taaaagaaac tgccaacgca aaggatactg ggctgccttg 300
 cagcgacgtt ctctgcttgt ttagcgccgg gaaggggtgg cactaggtcg gtcgcgatcc 360
 tatecttcat tcgcttccat ccctaagtac ctgcaagtaa aagccaaatg atatg 415

<210> 16851
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 16851

aggctgctgt ctttttgaca cgctgggttc tacaggcgat tcatcaaaga tttctcataa 60
 gtcgccaaac cactcaacaa tctgttgaac aaggatgttg cattttgtgt ttaatgaaga 120
 atgtgtggaa gcatttaatg atctcaagat caaactagta gctgttccag tgcttatagc 180
 atttaatgat ctcatgatag tgaggcttgt tttgaagaag acacgttgga gcatgagatg 240
 gaattaacag cctcagccat ggtattacag tctcctttgg aagaagaatc caacaatgtg 300
 atagaatgcc tagtcagtga aaatgaagga gaagagctag cttgtattga agagctggat 360
 ggtccagaag ataagtctgc tggatcatgtg atgtttga 398

<210> 16852
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16852

ntgccgattt aattttcacc ggtgaaagga tcattgtggt tctgagaaga ggaaaatttg 60
 attatcctgc tttgataaat aggaagctta gggaaaatgg agagaataag gaggagggaa 120
 gaacccatgt tgtgactgtc gttcctacat ggccaaattt cccaccagct caacaatatc 180
 aatactcagc caatatcatc ccttctcatt acccaccacc ctataagcca agaacaccca 240
 attatccaca aaggccaccc ctaaatcagc cacaaaaccc gcttgcgtgca catccaatac 300
 caaacaccac ccttaacacg aacccaaaaca ccaactaggg aaagaatttt ccagaaaaga 360
 agcctgtaga attcaccoca attctgatgt cgtatgctaa cttacttcca tatctactca 420
 ata 423

<210> 16853
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16853

ttctttctgct tattagtgca cagctccttc aagaatttag catatcttgg aatttgcttt 60
attgcatcca gcagaggtat gtttacctct acttttctaa atgtttccaa tatctcctta 120
tttgccctctt ccattttttt gatggaaatt gctcttggag ggaatggaac agggatatgc 180
tgcttctgta aatcagaatt accagtggaa gattcacctg catagaaatt gttaggtaac 240
ttactcttta catgtttgtc atcagctttt tctggagtag agtaaagttg ggcaggttca 300
tttgcgatg aagaagatgt tgctgggtga ggtccttgac acaactctcc tgatctcaat 360
gtaatggcac tcacattttt aggattct 388

<210> 16854

<211> 446

<212> DNA

<213> Glycine max

<400> 16854

gagctcattg ggtggctatc cccacaaagc ttacctatct taatttatct cgactcatgc 60
tcttcaccta ggctctatat ttatagagct gtggcacttc tctcactcct ctgtccgaga 120
gctgtcgaag attcttcctc atatgataaa cttttcaacg ttgagagagc cgaatctaac 180
cacttggcgt atgaaactcg tagcccatc atgataacca cgcgatgatg ccattacgga 240
tgcccctaag ttctttatct ttctcaacg gacttctcca cgccttgtgg actctttgta 300
caaccttgag actttgcgca ccgaaatctc tcacaaggaa aggcgagagg ctctcttctg 360
ttggcactcc cctcatgggg taccctaact gtcttatggc aagtgcggga ttatagttaa 420
taaaaccgct cgtcccatca acggaa 446

<210> 16855

<211> 393

<212> DNA

<213> Glycine max

<400> 16855

ttcatgcttt ggctgctgag cgaggcgaca cgctatgcct gtcttgtgca ctaaccgagt 60
tgtctcaatc ttcatctttt tcttaaaaat aacagtaaag taaaggaatt ataatcaatc 120
ttagtcaaaa tttcctatta attgaacctt tattttacaa ctatcatcga tttttcagaa 180

actgatgtta acatgagttg gctaacatca ggctttacaa aaattaatct taaccaactc 240
atggtaacat tgaattttgg aaaatttaac gttgtattgt cttatttata atatttttta 300
cgctttttcc agttcactca tctccctcat gcttcgtctc cctcacgctt ctggcaacct 360
cgaaccctct gtcactctca cactcactct cgc 393

<210> 16856
<211> 410
<212> DNA
<213> Glycine max

<400> 16856

tgactggact ttaactcaag atgaaaaaaa tgtttttttt ttaccttggt gatcattcta 60
tccagcatat acttttcact ttttatcaat tagtaggcca ttttgattcc tgtctacaat 120
ttgcatttta ttcttttagtg ttgactcttg actcattggt tttattctaa ttgttgattc 180
tccattatac ttctgctctt ttagaaattc tcatagatac attaattaaa aaaaaaagcc 240
aatgcattac cgaaaaaaat taaaaataag gctcaaaaaa aagtcaatac attaccaaac 300
aaaaaattac tatagattac atcaaaggct atactacgac cggatttgta taaccgtctt 360
actatgtgca cgtactacgc cggatattta caaccgtcga aaaatccatt 410

<210> 16857
<211> 390
<212> DNA
<213> Glycine max

<400> 16857

agcttgattt gctggctcga ttaactagta attgactaac taataggaag aacgttagtg 60
tatcgaatct tatcttatcc agagtttatg ctactggat tttagtgtat tcaaattcga 120
tttcatcaca tcttatcggt gtcttgatct gtagtcgatt ttatttcggt aatgggtttg 180
gacttgaagt agattttgtga gttttggggc cgaggaccta tataacagcg ccgaagtttt 240
gggttaggga gttttttgtg ggagaggaga atgaatgtag gatttttagaa tatcagctat 300
tattactgct catgcacact gttgcacgag agaagaacgc attttctacc gatcatctct 360
aatgcatgca gtagttaaga gtatgctctt 390

<210> 16858

<211> 418
 <212> DNA
 <213> Glycine max

<400> 16858

ttgagaaagg tgatgtgaac aagcgggttac tggttatatc cttcaagaag accccaattc 60
 tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaaa gcgcgtttga 120
 ggattcccca attgaaggta gaccacacaa ctgaacgtgt gttcaagaac ctcggttgctt 180
 ttgagcagtt tcaactatcca gacaagcctt acttttgcaa ctatgtttct ttcattgact 240
 ctctgataca cactcagctt gatgtggagt tgctggttga gaaggaagtg attgggcatg 300
 aacttgggag tgataaggaa gtggcaactc ttgttaatgg gttatgcaaa catgttggtca 360
 caaactcaac ttggtaccat cacattataa ataagctcaa cgaccattac atgaacga 418

<210> 16859
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16859

ggtttgcatt cttcaacatc ttttttggtg tgatggtgaa agtcgggtaa actttgttat 60
 tcggtgatgt attggcattt gatgccactt ataagaagaa taagtatcat ctacctgttg 120
 tgggtttttc tgggtgtaat cacaacaatc aaaccatagt ttatgacaca atccttgtaa 180
 caaatgcaac cgaagagacg tatgtttggt tattagaaca atttgtgcaa gccatgaata 240
 gtaagaaact atcaacaacg attactgatg gtgatattgc aatgagaaat gcataagaaa 300
 gatacttttc aaaacatgcc tangttatgt gcttggcact tgatacgtaa tgcanaagcc 360
 aatgtaaaca atcctgcatt nttgccaatg ttt 393

<210> 16860
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16860

ctgcggaatt ggtcttcgcc agcgaaacga tctatgtggg ttcgaaaaga ggcaaaatta 60
 atcatcctac ttggacgact gacaaaaact ggggcaaatg aagagggtga gaataaagga 120

gaaacccatg ctgcaactgc cattcctata cggccaagtt tcccaccaat ccaacaacgt 180
cattaccag ccaataacaa cctttctct tacctaccac ccagttatcc acaaaggcca 240
tccctaaatc aaccataaaa cccactttcc acacaaccaa tgacgaacac cacctttagc 300
atataccaaa acaccaacaa gggaaggaat tttgcagcaa aaagcctata gaattcaccc 360
caattctgga gtgctatgct aacttggtcc cttatctact tgataatgca at 412

<210> 16861
<211> 387
<212> DNA
<213> Glycine max

<400> 16861

tgcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac ggatgaagaa 60
cgtcgaagaa cgggttgaaac ttttgcgaaa ttcttcacgg aaaacggtac ggaaacgttt 120
cggaagcgcc tcggcttaga ttttcttcgc ggaaataatt tttccaagca aattcgaaag 180
agagagaagt gcctaagggg ctgaaccctt tcttcttca cttctctccc tatttatagc 240
aaaatagggg aggtggttgc cgcccagctc gcccaggcga gccagggtgc ttctccaga 300
agcaacagcc ttctggagga atattctgga gggcccaagt gggcctgggt gctatttgca 360
ccccatttt tactaagtac acccccc 387

<210> 16862
<211> 412
<212> DNA
<213> Glycine max

<400> 16862

tgccaccag ctgccccagg cgagcaaggt tgcttctcc agaagcaaca gccttctgga 60
ggaatcttct ggagggccca agtgggcttg gttgctatct gcacccccat ttttactaaa 120
tacacccct gtcttttttt tttgtgattc tttttcgta aagttacgaa aacttacgaa 180
tttcgtaacg atacttgttt tctttcagta atgttacgaa accttgcgta ttacataatc 240
attccctttt ttgacctacg gaatgttacg gaacctcact aattgtgcaa caatgcttcc 300
ttttgatttc cgggtgtgca cggaacctta cggattgtgc atcaatattt tcttttgatt 360
tccagcacgt catggaattt cacaaattgc ctaatgatgg gtgccaagca cc 412

<210> 16863
 <211> 225
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16863

atgccacata taagaacatt caacatttgc aacaaaagaa gaaatgcttg atattntatc 60
 aataganaga ggcataagac ttaacttana caaaccatca canatgtagt ctttaccaac 120
 aaaaacacta tgtctagtaa taacaactct atntgactca naaacaacct tgtacccatg 180
 tnggactaac anagaagtac ctattanatt ttctctctaa tatat 225

<210> 16864
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16864

tggtgcatat gattatatgc tctcactttt tggtgcttgn tataaacttg aattgtcatg 60
 aaccaactct gtcaaaaagat taagctgtta ggctgttagg tgaagacaca catgggttta 120
 tggtatatat ctaacaatag taatctatta atatagctta cagggttcatt atgcatacaa 180
 ttttaggtcc aagtcaacgc atatattttc atgaacgaaa ttaggacctg catattcatt 240
 attagattca tatataaatt tttgtccgta ctcccatagt gtccattgac acattttcag 300
 catatgattc tcttttctat ctctttctcc acaacaatga gccaaggag cagagttttc 360
 ttatgagcat caatcaagaa cgtacaatta tttatattac atgatagaca aa 412

<210> 16865
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 16865

tgtcatgcat ttctatgatt tacatatagc aatctccatc caagcatttt gacaagccac 60
 ttgtaactcc catcaatact gatattgcaa catgcttaat tatatgcagt agcttattct 120
 gatcattgag tgtagtgtga ttatctcttc catgcaggta catgattcct attttagtg 180

aaagagaaat gatgggcagc agaacctaac tgaggagagt atataataac ttttatttgt 240
ctttatct 248

<210> 16866
<211> 119
<212> DNA
<213> Glycine max

<400> 16866

tgacggtggc catgattaat ggtaaatta tttattcga acgcctctcc gatttgtgtt 60
aaagatgaga taacagcata tgacccact aatagaacat attgccgta tggtcata 119

<210> 16867
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16867

ttcttatcca aacatatacct ttattaaagt tatttcttct tattctcgta ggaccatgaa 60
tggaggcaag ctataactgc tgctggatct ggatgcgttg cagctttatc acgtgagaga 120
tatcttgta gcaatgatct tcttatagag ttccatcagg tatttgactt caaagaactc 180
ctattttgtt ttcgcttatc gttcttttgg tatataacac tgtagattga gtgtacacat 240
cacattacca atttactgta tctttattat atgtcttaat tcttgatcat ttccacagaa 300
gcagatgcaa ctttagcaag attngcttgt aaaacttata tctataaatt tataaaaactt 360
aataaattta gtgcatctaa t 381

<210> 16868
<211> 396
<212> DNA
<213> Glycine max

<400> 16868

atgcgtgtct agtgattcta gagagagaat tgtctctgtt ccatatagtt ttgagagatt 60
ttgctgtgtg aagatctgca gagaccagag cttgaagagg aagctgttct gagagcttga 120
gatgagtttg tgagtgggtg taagatccta gagataaagg agacatctc accacttgta 180

tttttgcaat ctttcatctt gttcttttct ttgatgaaaa ggagacttct tggctatgga 240
 aagctaaaat cctctgttgg atcttccttg taggtacttg atgtaaata ctttctatct 300
 atttaatgat gttttgtgtg ttctctgagc tatkagcttt tcattctagt atgcatttac 360
 cttgatcaca tagatacatg ctatgttagg gtcatt 396

<210> 16869
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16869

tgcttcttat ccaaggetca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatggag cctcctctca cctcttctcc tttgtcttct gctgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc aaagattcag cctccataga agccccacaa 180
 gcaagcttcc atcaacagga ttagtaagtc tggacttgct accagtcatg tgcctagtgc 240
 agccattatc caagtaccat agtgagtctc ttgctnttag gcacacctac aagacaaaat 300
 caattagaga gaggtggtac ccaattgaga ttaggtccaa tagggttaat ttccacaatt 360
 aattctccgg gaatccaaa 379

<210> 16870
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16870

tgtagaatgg ctagacataa tacatggcag ggtttggttt ggttcaagga taaaagggat 60
 gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120
 ctggtcatgc atgcacctat gcggacactc aagtgtcaaa tttttatggt catgtgatgc 180
 taggggtcaa gattcatttc ctctatttta gtcaacccaa tgtttccaaa atatgttctt 240
 ttatccattt gtgcattcat ccaagtccat ttcgggctgc cgggaaaatt ttcacagcat 300
 tcacccttca ggtgtacaca cattntttca aaaactagct atgatcagcg aatttttctt 360
 caaagaaaag ttggaagtca tct 383

<210> 16871
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 16871

tgctttaagc aaattcaaac aacaataact ttttactggg atgtctgatt gagtcccgta 60
 atatatcgag acgctcaaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
 tttttactcg gatgattgat tgagtcccgat atttatatcga gaccctcgaa attgaatggt 180
 gaagctctga gccaatcaaa acgacaataa ctttttactc ggatggccta ttcaatgacg 240
 tattatattg ggacgtttga aattgaatgt tgagcctctg agcaaataca aacgacaata 300
 actctgatgc aatcctccct atgaaggagc caatcactag aaccatgagc aagaggctcc 360
 aagaagattg ggctagag 378

<210> 16872
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 16872

tcaacattca atttcgagcg ttttcatata ttatgggact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt tgctcaaagc ttcaacattc aaattcgagc gtctcgttat 120
 attataggac tcagtcagac atccgagtaa aaagttattg acgtttgaat ttgctcagag 180
 cttcaacatt caatttcgag cgtgtcgcta tattacggga ctatatcaga catccgagta 240
 aaaagttatt gtcggttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctccat 300
 atattacggg actcaatcac acatccgagt aaaaagttat tggcggttaga attgggtcaa 360
 agcttcaaca ttcaaattcg agccgctcgc tatattatac gactc 405

<210> 16873
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16873

ttcttgcaaa agttactagc taatttctta cgacagcgag aatatagaga aaaagagcat 60

agtcaatttc accagttcta tgtgataaaa ctgaaagtca tctagaatat tgaagtecta 120
 taacaattga caaacacccat tcaaaccttc tctaactgta accttcatat tatataatta 180
 tttccccaat tatgatgaac tccacaccag catggcctgc aataccaaaa tgttttgcta 240
 aactcatctt cgattttag tagatattgt tggttttgtg gaggaatta taaaaaacag 300
 aggagagaag agagacaata cgtatacaga gaaaatagaa ttattctatt ctaattcana 360
 ttattctcag cagcgataca at 382

<210> 16874
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 16874

tattcaaaat ttgcatcagt tccctttatg ccacttctga attcttgaga tgagtaaag 60
 acgactcaaa tgaaaatctt gccaccgttc ctgtgcttgt aggttgcaga atttctgatg 120
 atatattggc agtttgtggg tcgaaataaa tggcagaaga aaggatcatt ctacaggcca 180
 acatttgcaa attcattttg caacaagttg attgtgtttt cctgagatga gtttgctgca 240
 tcttttctcc gttctggtga gattattcct ttgcttcttt ttcctttatt tcttcttca 300
 ttttgttcaa ttgccccaga tttgcgcttc ctagccaacg gatttgatag ttcttgatcc 360
 ttggtatata cccagcgata tccgaatttc ttcacctcag catgactctt tccactct 418

<210> 16875
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16875

ttcttgttgt tcccgaacga taaagggcgt agaattctatc tatgcgcgtt tacctactca 60
 ggggtgttgt cctgaattat aaaggttgca gaatctgtct ctgcacgttt acccactcag 120
 gttgtgttgc ctgaatgata aagggcgcat aatctgtctc tacgcattta cccactcagc 180
 ttgctattcc tgaatgataa agggcgagcaga atttgtctct gcgcgtttac ccactcagct 240
 tgtgtgtgcg gataaccgca tgtcaagtta ctccagtgtc agtatgacag aaattgtctg 300

cgcggaagat gacgtanac tccgcgtgac aacaggcttg ttggccgcga ttgacaaagg 360
gtgcagaaga cgacgttagt ctctgcgtgc ta 392

<210> 16876
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16876

ntntggagta gaaacatggg accaactcat tttatTTTTT aaaggaagtc gtatctagtc 60
aaggcttgag agaccataca agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
gccatcgct tggccttggc taacaatcgg ggaagttctt gactcccggt caaggaaga 240
gcaaaccgat ccatccacat ggttgctct tgggtgaaag agtcgatcac ccttctctta 300
gcctctTTTT cgcataatac ttgggcatac tcatccgcga ttctatgctc gtgggccgtg 360
gctagacca actcttcttg gtacttggcg atgatagcta acatgttggg ctctgtctcg 420

<210> 16877
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16877

gctttggctc gctatcttng cgatcagctc gtcccgggtc ctctgagtca cctgcggctg 60
catcttctag ttcctcagaa tcttcttana tcccacggta natcatggac agtatcttgt 120
gaagtanaaa caaatttcga gaagatcgaa cgggtgaacga aggctgngca gcattnttac 180
cgatgcagct ccatgtagtt ntctctagaa gcttcattaa gaggttctta gcagactcca 240
gacatcttct canagatccc aacggtcaga tcatggaaag gtgtttgtga agtngcagat 300
ccaattcgag aggaccaacg ggtaatgaat gctggcagcg ttntaccgag gcagctcatg 360
tagcttctct agaagctcat taagatgctt ctctagaagc tctctgtggc tctctgcacg 420
cttctcanan ggc 433

<210> 16878

<211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16878

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 catgtcataa atactcatcg aaaaatgaac aagatgaggt tggtgcaaaa gcacaataga 120
 agtttcatca actgggttag acaacaatc ttcgcagatg acagtgttc gaagacattc 180
 aaattgtag ctattggtct aaatctgaat gttccaactt ggaagggata tgatatcaat 240
 cattattctt tctacacaaa gtcacaagat ggaacagta gcacgcagaa cagtggggtt 300
 agtggtgacg gtcattcaaa tctgatggaa ccttgcttgt ggagcttcta tggaggctgg 360
 atctttgagc ttcaatgagg tccttcaatg gtgattntcc accatggaga tgccgcggaa 420

<210> 16879
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16879

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 ttgtgtcatt taaggctctg atgaaatttt gaagaggatg cagactgcta catctttcca 120
 atgttcata attttagttagt aatccttcca tacttcatac cttatgcccc tttttaagac 180
 caatttatct tttgcatcca atatagcttc aattatttgg agttctcttt tgtggcttga 240
 ctatatgttg gtttttttgg atgaggtgca aagtgatttt gcaacataat gcactttgtc 300
 ttgataagat atattttctt gactgcaata ttgcttgaat tatctagcca ttaaacatta 360
 tgctctgact ctagtttttt taactcgata taa 393

<210> 16880
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16880

tgccctaagga tagccagagg tgctactacg gaatgcatta tatatgtgca gttgtgatga 60

aggcggcgta tggaagatgc atgaagacat ttataacttt ttaagaaatg tttagacaac 120
 gtttatcatt ttattttatt tgacaaatTT tattagacat gttttttata caagtatcgg 180
 acctgtatat cataggtcgt gaattaaacc acaaacccta tattagacac gtagtaaata 240
 agtagctaaa tcttcactct tcacttaaat caacatagtc tagtttcaac accatcaaat 300
 ntttgactg ttgcattcta ctaatatatg gagttggcta ctgctttgcc tgaggatgac 360
 aatgtctaga ccataacaaa gctagaggcg ataagggaca acagtctctt aaaaaagtc 419

<210> 16881
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 16881
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 aatcatgtgg tagtgatgat tacttgccag tccatatgaa tctctaaggt caatctaact 120
 aaccactata gttgagtgc gaagatcatg tgcgtatgca accgagggtta tcatgtcatt 180
 acatgtttga gagagtgaag gtatgctcta attcatctat ccatcttaca tgcaagctcc 240
 gactaattcc agcataagac tacattttta tgatactaga atagacaaga ctagcatgtt 300
 acatcatgtc atgaatattg gagaacagac ttgaaa 336

<210> 16882
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 16882
 atacaatact caagctttga actaaaatag actctgtaca ttctaatact ttctgttgtg 60
 ttgattacaa accatttcat gagacttgat tatctcacia tgataaaata tatctcccc 120
 tcaaccaggc ttctactta taggcaacac actataatgt ttaacatctt ggcgctaata 180
 actacagaat gtagcctaac ttactaaaaa agggaaatgt gtgaatactc atgatgatca 240
 tttcaaagtt ctgaatetca tgcgtggaat tttctattgg gagaaagtaa atatcttatg 300
 gtattgcacc atctcaatac atatggtact taatttgtac agcctttcat gcactgttca 360
 gctgataaag tctatctct 379

<210> 16883
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16883

ttcttgcttt cttaaccact aagagtagaa gctaaacata aggcttaacc gctccaaata 60
 gaagcaaaac aagcttagct gttagagata gggggaccaa catgaagact taaccttaaa 120
 gcttgaagaa gtttttcttt tacatgecta cctcacttga gtgacatttg tattgattgt 180
 tgtattgtgt gttgcatctt aatctctatt ttttcatatg ggcatcatgc atcatcattt 240
 aggagtaaga agaaagggttc taaagttaga aaatttcttc agtgtttaac actctatatc 300
 ttaatttatt atatgcatga ttgtaatcga gtacacagtt cagatgagac aatgattggc 360
 tttttacgag tcattgcttt aattgat 387

<210> 16884
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16884

taaggcttta gcgggtacaa gatggccaat gttttttggt gcagctataa ggagattccg 60
 tagaaaaaac ctgtcagcat ggactcaaa catatccaca ttgagaacaa tcagttgaaa 120
 cagtggcatt gtgcctttct ctaataatct caacaaaaaa cgaaatcaag agacataaac 180
 actagcattg ggcttttctc taataatcta tttctataac gataaaacgc agaaaatagg 240
 cataaacgac gaaaaaacac atgtacacat gcatataaaa aacaaatggt aaccttttaa 300
 gagaacaaaa ccttggtgcc gtcatgagag tgacactgat ataggttgng caaaagggtt 360
 caat 364

<210> 16885
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 16885

ttctttaaca aggctagtca cctatatggt ttttatactt gaaagtaata tgacatagtt 60

aatgaagatc tcggatagca atatTTTTggg cagtatacat cttaagtcaa cccccagggt 120
 ttgtataaac ctgaaaactt agtgccgagg aatgtacgag gggtagtagg gtttattctg 180
 caaaaagagt ttacctggca tctgaataaa aatttatgtt gattgcagta tgctggatta 240
 tgtcatttct tcgggttttt aattaaaatg gtcactagtc tcatttattt tttgcttgct 300
 tatagaaatg agctctaatt gattaatttc ttagtttaag acattcttaa ggaagacagt 360
 aatgttctt 369

<210> 16886
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 16886

tcttatccaa ggcaattctt ggtgttgaag ctctctcttc cttgtcttat tccttagagg 60
 atggtgcctc cctctctctc ttctcctttg ccttcgcgcg catctccatg gtgtaaaatc 120
 accattgaag gacctcattg aagctcaaag atccagcctc catggaagct ccacaagcaa 180
 gcttccatca agtggtaatc aaagcacaag agcttcaagt aggtgctcct taaacctcca 240
 ttaattgtct tgctttacct tttcttgcat tgttggtact tcatttttct ccatgtatct 300
 cctcacatgt cttgtgataa atattgttaa catgattctt tagagtttcc accgattaaa 360
 cttgctataa aagctagatt tgattgtcta tggatcaaaa ttcttgctct tgttct 416

<210> 16887
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16887

ttatgctttc tttatgaagn tttctggctt tctaaacctt gaaaacttgt gctattcatc 60
 ttttcattct cttatccctt tgccaaaaag aattcgccaa ggactaaccg cctgaattct 120
 tttgtgtatc ccatctccct tgtcaaagaa ttcaaaacga catagactga gaattctttt 180
 gattcttccc attccctaatt acaaaagtgt tcaaaggact aaccgcctga gaattctttt 240
 gcatcccatc tcacaaagta tcaaaggttt aacagcctga gatctttgtc tcaacacatt 300

ggaggggtaca tcctttgtgg tacaagtaga gggtagatct acttgggtgt gactgacaac 360
aagagaggggt acatctcttg tggatcaatt ct 392

<210> 16888
<211> 365
<212> DNA
<213> Glycine max

<400> 16888

tgacgaagtt tctagccaca gagtatgaga ttatatgtgt caaccgctca catccatcga 60
cgggcaaaga ggacaaattc tgaaagcaag aaagtgggtg agtccatata ctatggatat 120
tgattgacta cagcttcaag gactccaagt taggatactc aacctgtcaa cattatcctg 180
ggtagattat cactcacaag taactaaaga acgcctttca ttacttctct aactaactca 240
agtaaaaaat gccattaaa ggcaaatgat ccaattggct tgttgagaac tggcaagtaa 300
actctcctgt tacatgacca ccatgtctaa gagacaattt gtatctctct agacaatact 360
attga 365

<210> 16889
<211> 378
<212> DNA
<213> Glycine max

<400> 16889

tttcttaatt agcctcactt taaacaatta taaggccaat tattttgccc ccaccctaca 60
ctaattaggc caagagagca tcgctatacg ccagcccaaa gacactcctg ccatttggtt 120
ttactttttt taattttttt tatcgatatg aataaaaaaa aattataaca attaatgcac 180
gttcaaccag ttagacgtac tcctttaata aagttatatg tttaatctta ttgtaatata 240
taaattacaa ttaatccata ttagaatata tctgaaacaa caatatctta attcttatgt 300
tattatccag tctcacgtta ataaaattta ttaaatgttc tatgaaagaa aatcaaaatt 360
acataattac catacctc 378

<210> 16890
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16890

tctcgaagca gtccagtcta attaaggcac tagtttaatt tactgtaatt taaaacgtgc 60
aaccctttta acaaaataat aaaaacaatg gagatccctc agcagacaaa agaagagta 120
aaattaatta ataaccatta accaggtgaa gcttgtgac gttattaatt agaagatata 180
acttgaaaag gatatcggag tcatcaaaat catcggtcaa acagatgaag aaaggatatt 240
aagaatggaa aaccgaaaac actatttacc cattaataat cgagagtaga tatatctggc 300
tggcgtgcta ataaaagctg cctcagctgc gaaacatgtg tattattgtg tgtatatttt 360
gagctacaaa aggttttaaac atgacgtana aagtacattc ccgtacggag taaagattt 419

<210> 16891
<211> 223
<212> DNA
<213> Glycine max

<400> 16891
atcccttctc attatagaag ctagctcgct ttgtatcctc tatctggctt aatgttgaca 60
tacacacttt gttgtggac tctatatgag atcatagacc ctctcatgca agcttcttta 120
caaacatctg acctagattc cccttactta caacaaagag aattgtctag tgggaaggga 180
attacgtcta acggtgttat aagatcgaac ccatagacaa cct 223

<210> 16892
<211> 344
<212> DNA
<213> Glycine max

<400> 16892
ccctcacggt ttcttgttcc aacgcctggg cagttgcttt atgtgaatct cctagttcag 60
gaccctcctt tcagataata agagctgctg atttgaacct tcacttgact atttgcgcta 120
gcaccagttg ctccctaaag gcctgcacct ctttctaatt cctcaggggc ctcaacttcc 180
tcccttctat cggctctgag aactcgggag ccaattcaaa cttttaacgt gggcttctta 240
ccaccttcgg tatccaccga tgtggcccat tgtcactgca cctaattgtca tatccttctt 300
ttcaccacct accatgcctt gataccatat gaaatgtcgg cccg 344

<210> 16893
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 16893

tgcttttgtt cctttttata aaaagagaag ttctgaaact catcacgttt tctaaaaagg 60
 ccttgagggtg gatccaagtg ctctgatcat tcattagcat attcatgatt tgggtggcatg 120
 ctcaccattg tttctttctt tagggaactc accataacta aaaaagcgca aaggcacccc 180
 tataacaccc gatccaaaag taagatggat aacgaagagg gagtgcaaga acagatgaag 240
 gccgacatgt cggctttaa agatcagatg gtttccatca cggaagccat gctaaaaatt 300
 caaaaatcaa tagaagacaa tgctacgaca gttgcttcca atacaactag ggaagcggaa 360
 ctggtgctac 370

<210> 16894
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 16894

tgcatattca gcttgacgat ggatcgagag ttttgttatt tagggtacaa cataaaatac 60
 aagagcacga ttgattagag aaatatattt ctatgcatca gcttgtttgt tagaaagacc 120
 caacatatct acctactgct atcattttat ttaccttgca ttttatagtt tttagcatac 180
 aagtttagtt taaattttgt ttgaaattat cacttataca tgttctctca acaatgcttt 240
 gattctaaac ctaattcagg ctaacattag ttccttgtgt tcgatacttg gattcatccg 300
 ttctaaacct aatccagtaa acccccattg aaatttcttc gagacataaa tgcacaaaag 360
 gtaactgcag tggggattca tcattgggga tcatacaac 399

<210> 16895
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 16895

tgcttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg ccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcagaa cgagaccttt cacctcgttt tggaatcacc 360
 tcatttgag cctgtagct 380

<210> 16896
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16896

acttcttggt tctctcccca ttatatacca acattttttt tgagcacttc atagacaggt 60
 gctgcccatt tgctaaaatc cttcacaaat cgactataaa aactcgctaa gccatgagtc 120
 gcaacctacc cttcggcggg agggcgatgc ctgactctcg cgatgcgtga tccacaaaag 180
 gaatacgcg ggtgtcccca ctaatgatta tttgaagaaa acgtcggacc aaccggaaaa 240
 gaagcgatct accaactntt aagtgaagg ctcgggagtt gtatttacgc ctggggaaag 300
 tattagcacc ccaca 315

<210> 16897
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16897

tgctttgaaa tttgaaaacc ctagcatggg ataatctatt aggcataccta agagtttatg 60
 aattccatct tcagaactga gataatcaac caaagaaaga tttatttgcc cttaagtcta 120
 gagagacaag ctccaaaaga ttagaaaaga atgcttctct aaatctctta aagtgaagat 180
 agattattct gatgggtcaa acaatagttt tggagattcc acatagatg aagtagctct 240
 catgtctatg aggttcaagc aaatgatgaa aaaganaggg aagttccacc attcctccaa 300
 aagaaaggac ataagattca agatgaaata cgaggaggat agcattgaaa tcatctgctt 360
 tgaatgtga aaacctgggc atatgaaaac t 391

<400> 16900

tcttcagatg aacttccaac cccactgctg aatgatgctt cgtgagacga atcaagctct 60

cttgatgaag gactggctac aaaggaagaa tcatcaaact caatgtgtga tccagtagca 120

tcagatggaa taagtgttcc aagagctggc attaggtcaa caatgtactc cctgaaattc 180

atatcattat caatcacaac ttccagatac ataataacaa ggctttgcaa ctctactta 240

agaaacttac aaaaagaatg agagaacatt cagctatagg caatattaaa tgattaattg 300

aaaaaatgaa caaaatgcta caacaggaaa gtctaaccaa aacaaaagat actagtaacg 360

taacacatct tcaagtcagg aacaatataa tataacatag cttcaagtct gtacacag 418

<210> 16901

<211> 392

<212> DNA

<213> Glycine max

<400> 16901

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caagaagagt tgggtctagc cacggcccac gagcatagaa tcgcggatga gtatgcccac 120

gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180

atgtggatgg atcggtttgc tcttaccttg aacggggagtc aagaacttcc ccgattgtta 240

gccaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300

ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaagaaact 360

tgtatggtct ctcagacctt gactagatat ga 392

<210> 16902

<211> 418

<212> DNA

<213> Glycine max

<400> 16902

tgcttgtggg gcttctatgg aggctggatc tttgaacttc aatgaggtcc tttaatggtg 60

atttccacc atggagatgc agcggaagac aaaggagaag aggagagagg aggcgccatc 120

cactagggaa taagccttgg aagaaggagc ttcaccacca agatgagcct tgcataagaa 180

gcttgaagg atgcttcaat ggaggaaaag aaagaggag agaaagagag agggggagca 240

cgaaattgaa ggaataaaaag aaggagagaa gtggaacttt gaagtatgtc tcacaagact 300
 ctcattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt 360
 ccttgagaag cttccttgag aagattccta aagaagctag agcttagcta cacacacc 418

<210> 16903
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 16903

ttctttatct agtaaaatgc aatcttcac tttgcattta aaccaccta accttagtga 60
 taaaaattca atttccaata tcaatgcacc ttatctttta tcttggaaact ctacaaaacc 120
 ttacactttt atctttctat aatttaaaat tctcactttt cttttttact ttttgataa 180
 acttggtgga atgaaatgtt agtagtgaat gaatatgtga gaattggaga aactagaagt 240
 tttggaggaa gaggtctact gtataattga tcaattcttg tttttttttt gcttgatata 300
 gaaaaaggaa attgaaaaat aacaaaaaat aattgaattc taacatatat gcactgattg 360
 aactaatcat ctaaaattgt gctgcagta g 391

<210> 16904
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16904

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 agtactttcg acacctactg tacgttgatt tcaccaatgc tggttatggga atgttgcgac 120
 aatcctttta aaccttattg atacattcta agagggtcgt tgtcatgtgg ccatatcgat 180
 gtccttctct atcgtaagcc atcgccatt tttcctttga gatgcatca atccatgttg 240
 ctatgtctgg actcagttca cgaaattttt ctaaattttg ataaaaaatg tgcttgcatg 300
 gagtgtaggc tgcataaaat tagttatgaa taacaatntt aagtataaat gaaagtaaaa 360
 taaacgtgac catcaaatat gaaatcttac ccaatttctt caacatttc 409

<210> 16905

<211> 393
 <212> DNA
 <213> Glycine max

<400> 16905

ttcttgtgac gttaaaaaag cacttgctgg gaggaaccc aacttttctt tcctttcttt 60
 atcttcattt ttatttcttg catgtagtta ggacatcttt cttgtgattg tgattgattt 120
 cagcttgttt agtaatgaac aaaaagggtt tttaaattgt gtgtgaagag ataagcagaa 180
 aatgacttag aaaaattttc agattgctta tccgctaagc acaaaccttg tgctaagcac 240
 catctcttca tgcgctatgc cgagcttgct cgcgctaagc gcaaagacct ctgattgatt 300
 ggctgaatgg ttcagctaag cgcacatcat tgtgctaagc ccaacatctt cactataagt 360
 tgcaccttaa gcaatgggct tagagtggat gat 393

<210> 16906
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 16906

aaactcagct tcttatccag gctcatctta gtgggtgaagc tccttcttcc atggcttatt 60
 ccctagtggg tggcgctcc tctcactct tctcctttgt ctccgctgc atctccatgg 120
 tgtaaaatca ccattaaagg acctcattga agctcaaaga tccagcctcc atagaagccc 180
 cacaagcaag cttccatcaa aaccttttgc tatttcaatt tggaattccc ttcctaaaat 240
 actagagatc ttcttgatgt tgtatcttgt attcttggat tgttgtcttg aattaaacat 300
 gagaagcgca ttttcataag acatcaaate atcacgatca tatggcgctca tcaaaacatc 360
 aaatgtaaag tctttgcttc tacaatctca acgtctttgc ttttacaaga ttgaatgggtg 420
 gatgc 425

<210> 16907
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16907

ttcttattct tgntgagtag tttgcagtcc tgtattgctc ctgcaaaata actcatgcct 60

gcaacactgg ttttgttccct accttgaacg agttgaaggc aatctgtctc aaaaataaca 120
 ttataaaat agaactcgcc tgccacttga atcgcccact tgtagcataa agcttctgca 180
 gtccttggtt catatacacc accgtaacca ttatggtagc agtcccaga accagttttt 240
 catggtctct ggccactact agccccattc cgtcccttg attgttatgg gcagatgcat 300
 caaagttaat ctttatgcac tgtagaggt 329

<210> 16908
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 16908

tgtagataac actgcggctg cagcattcat ttcttttctt ttccaacctc catcaccctt 60
 gttgccc aaa ttcctttgat ctctaagtac atcaaccaat acacgttcca tttccaaatt 120
 ccatgtaaaa taacttcttg tattctcatt attttttctt aaaacttttc ttttgtccgc 180
 cattttttca ttacatgact ccattgaaga taatgtcact tattcaacct gcacataaca 240
 aatagtagat atgacctact ttattcattt gactagtcca ctgcacaatc atagaaaata 300
 tttcaagcaa atgttttatg caatagcaca gtacataaaa gtctatcttc aataaaacag 360
 tacaatagta actaagcaca catagtttgt caccaatagc agattacatt t 411

<210> 16909
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 16909

tgccacaaa cgcgtgatgg gacattaaca attataaaaa aaagaagaat ggtgagactg 60
 agcctaaaac cagccgggag ccgagcgacg cagcagtttt tattacatag cgaccggggt 120
 ggagaggcac caaccagga caagaacgat cgcaacaacg accgtaatat atcggaagc 180
 acacaaccaa ctataggatc gcacgagaac cgcacaccat gggagagcga taacggggga 240
 agaagaagaa gggaagccac aagaaaggag aaacaagctg gggagagcca cgacgcggtc 300
 aggccggtgt tcggcgatcg acaggagacg gccaccgcaa aggagccaca catgccggag 360
 acagctcaaa aggacgcggc cc 382

<210> 16910
 <211> 465
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16910

gccgtgcctt gtactcgttt gcgnctcca naacacncca cccctggaca tatacttggc 60
 cttatagaac tggctttttt ttccgcggtc aacctcaaca gagtgctatc gacacctatt 120
 gtacagggga ttctccaatg ctctatggg aatgctgcta ccatgcttta aatactatt 180
 ggtacatcca tagacagtta tctgcatgag gccatagtga tgcctttctc tatcgacgc 240
 catcgctcctt gtttcttttg agagctcatc aatccatgta gctatagttg gactcaggct 300
 acgaaaatac ttctaaattc tgataataaa aaggcctgcc cggagcgtat gctgcataca 360
 attacttttg attcaccatt ctaactctag acgaacagta tactaatcgt gaccctttca 420
 tatgaagtct taccctatct tcttaacagt ttttcttgac tgccg 465

<210> 16911
 <211> 386
 <212> DNA
 <213> Glycine max

 <400> 16911

ttcttgcatt cttctccac aattttctat aaataggggg agaagtgaag tagaaaacgg 60
 ttcatccct tacgcacttc tctctcttgc gaatttgctt acgaaaattg actccgtgaa 120
 gaaaatccaa gccgaggcgc ttgcgtaacg ttccgtaac gttaccgtga gtgatttcgc 180
 gaagggtttc gaccgttctt cgacgttctt cattcgttct tcaccattct tcaggcttca 240
 acgggtaagt acctcaaacc aagcttttct gttcattcta tgtaccgtg gtgagccaca 300
 ttaggtttca tgcatttgta tgctcgatgc atttacttta tataccogct tttgacatgc 360
 tgaagccatt ctatttaagt catttc 386

<210> 16912
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 16912

tgtagggtta aagtctcacg gttgtcacgt tctcgtgcaa caattgttag ctgtggctat 60
acgagacatc ttgccaaaca aagtcagggt agcgatagct cgcctatgct ttttcttcca 120
tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggccgc 180
aattatacta tgccagttgg agatgtatct tccccctgct tttttgacat catgattcac 240
ttgattgtgc atctggtcag agaaatcaaa tgatgtgggc ctgtttatct acggtggatg 300
taccgggttg agcgatacat gaagatctta aaaggggata caaagaatct atattgtcca 360
gaagcatcta ttgttgagag gtacattgca aaagaagcca 400

<210> 16913

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16913

cgtgcctttg atcgtcgacn tttgatagca taggacncac ataggacgaa tgacatgctc 60
gtaagcggag atgctcgaga tgcgttctgc atgcacgctt tctcgatgac gtggagtata 120
atccaaaggt gattcatgct accataacca cttatgcct gtagaagagg cccttagact 180
atatgtgacg cgactgacct tgaatggact ctcacatgac aattgcctta cagacattta 240
ccactgcatc atatgctgat gactgtcata ctaaaccgtg ctattaataa cctagaagat 300
gctctgtaca ttcaaccttg cattaagaaa tgcattgacg gattacttcc ttaactgacc 360
cgcaagataa agcaaatttt attccttgct cctaccggac cttaatggac tcgatgacg 420
tctccatagt gagaggccta cgagcgacaa gactaaagga ggtaatggca gttgatatgc 480
gatcgtct 488

<210> 16914

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16914

agccagctgg catgatgcgt cgattgacnc cactggacan acangncaca ctatatgaaa 60

ctccagctat aacagggcct gcacaattta ctttcataaa atctatcgac agcgcggtgaa 120
cgactttatg caccttaaata gcaaatgctt ttttgataa ctctgctagg ccatgcacat 180
aggggacagg gcttgctgat aaagaccatt gttcaatgtc acgaatcata tcttaccagc 240
gagctccagt tattacatca cacggctgag atagggaccc actcagagtg tctgtttatt 300
caccatgcca gatgcatgtg gcgtaattac tcttaatccc gatccacaat agatgctcta 360
ctatgtagtt ccacttttag cgactttctca ttatacgata aaagccaaga caataatctc 420
tttcgaccgt aacttaatcg attagatttg aggccaatcg caacaactgc ttgacgcc 478

<210> 16915
<211> 372
<212> DNA
<213> Glycine max

<400> 16915
ttcttatgtt gctagcatat agcatatcat caacatataa caccaagaat gagtatttac 60
tcccactaaa cttgtggtat acacaatcat caactgcatt tgcctcaaaa tcatatgagg 120
taatgacttg atgaaacttg taataccatt gatgggaagc ttgtttcaaa caatagatga 180
atattatttag ttgcaaacc atagactttg agtcacctga taaaagttt ttgggttgca 240
tcatataaat tgtgtcttca atgtcaccat ttagaaacgt agtcttaact acaatctaaa 300
agttcctata gctccatcg caaccttttt gccatcgcca aaaaatatga atctttcatc 360
atcacttgac ag 372

<210> 16916
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16916

nttaaagcag cttttagata ctgcttcctt catcagacct gtcaagcctt cagccactag 60
atcaaaaaga aggggtgcca aagggtcccc ttgtctcaac cctctttgag gtttgaattc 120
agaagttggg ctaccattaa caagaataga tatggaagct aagggtgagac aagcccttat 180
ccacctaatc catctctcat ggaaccccat tctcctcaac atatagagga gaaaatgcca 240
agatacagaa ttataagcct tctcaaagtc cactttaaaa accatgcaag acttcttggg 300

<223> unsure at all n locations
<400> 16919

tgcttgatca agggtaactt tgatgcatcc attaaggaag ggagaggtac aagctttgga 60
gttatcttca aaaacaacaa tggagaagtc cttgcagcag ctgcaaagat cctgccttat 120
tttccagcct catattaggg aggctatggc ttttcgctag gccattgaaa ctgctcattc 180
actacttctc cccttaacca tctttgaaac tgattgccgg agattattcc ttgcttgga 240
agatagatcc tcagctgatt atagctactt cgatggaatc attcatgcta tgcccatgtg 300
ctacactagg attcttcaga ccttttaata gagctgtgaa ttctctagct agattagctn 360
tttttattaa tgattntggt tgga 384

<210> 16920
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16920

tatgctgcaa acatctacaa cagacctcct caacctcagc agcaaaatca gccacaacag 60
aataattatg acctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt 120
agatggctga atccttcaca atagcagcaa ctttgaaagc caatagttgc ttagtggttaa 180
aaaaaatata gagtgaaca attatttaat aacactcggc gagtgcataa acaataaagc 240
tgaagtatag agtaactttg ctttgcaaag aaaaaataat gaaaaattaa atgtatagtc 300
caacaatttc tgcaaagttt cacgttagag attntctcat ttctttatga ttnttttcat 360
gtgttacttt gagatagaga ttgcctttta taaaattcag taaatgattc attgtgggat 420
t 421

<210> 16921
<211> 384
<212> DNA
<213> Glycine max

<400> 16921

ttctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tgggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatt tttctcatgc 240
 aacaactatg aggaggacca aaaggtgaag cgtgccgcca tggagttttc cgactatgct 300
 cttgtgtggt ggaacaagct acaaaaggag agagcaagaa atgaagagct ggttgataca 360
 tggacggaga tgataaagat catg 384

<210> 16922
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 16922

tcaacattca atatcgagcg tttcgataaa ttactgggac acaatagaac atacgagtaa 60
 aaacttattg tcgtttgaat ttgctcagag ctttgggtatt caatttcgag cgtctggata 120
 tattacgtgt ctcaatcaga catccgagta aaaagttatt gttgtttgaa gttgctcaaa 180
 gcttcaacat tcaatatcga gcgtctcaat atattacggg actcaatcag acattagagt 240
 aaaaatttat tatcgtttga acttgcttag agcttcgata atcaatttcg agcgtctcga 300
 tatattaccg gactcagtca gtctaccgag taaaaagtta ttgccgtttg aatttgctca 360
 gagcttcggt attcaatatc gagcg 385

<210> 16923
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 16923

ttcttattgt gttaaagttaa aatgcatggt aaccttttat tctttgagca taaggcagcg 60
 atgggtgtctc agctaacttg ctagtgtttt ttttgctttg gcttaatatt atttgatcat 120
 gctctttaga acaatatggt tgtatccatt gctcaatttc atcttaattg atatttctag 180
 tcactttcat ggccacttga aaatttatta ccacaatttc aaatatctat gctgctcttg 240
 gcttggtttt ctttagagat atattgcaat attacaacat ttcaaagtgc agtcagtgtt 300
 tttgacagtg tactttgcat actgatgata atgttatgaa catgggggctt ttctggaaaa 360
 gattagatca gacaatcctg cgataccatg 390

<210> 16924
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 16924

agaatactaa gcttgtcggg tctcaaagat gtgtcacagg gcaccaatct ttatcaaate 60
 atataacaag ctctgttgct ataagagggg ttctaaactg ggtgcaactt agatagacaa 120
 atgaagatgg ctgtcaatgg catcaagaac aaagggtgaca gacatagatg attatttaatt 180
 tattattatt tataacaacat tttattgctt cgacatatat attttttttt actcgacgga 240
 gtgtttcatt tacttatttt ttgtattcca ccactattta aacaacatgt gtctaatacc 300
 tataaataac aactgttcga ttgattcata acacacatat ttggatttac accacta 357

<210> 16925
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16925

ttcttgtcct acaattgcta gttttttcat tgacagttgc ccaatgggta tcatctgcat 60
 tgatagcaaa tctcacatcc ttggccaaac gaagatacat ataccaattt aatataaatg 120
 gagaataaat taccgttcta ctctgatcta caaatgctgc tgattccctc acttggccat 180
 tagtgatgcc tggcatatat ttgcgctgtt tctgtactgg cacagactct ggagataaag 240
 gttccttgat gtcttccgca tagtgtttca atgaatttgg agagtttccc tgttgacaga 300
 gagcgatgat aaattaacag ctgacaatga aagctatata gatccgatca aaaagttagt 360
 ctcatagata aaatcaa 377

<210> 16926
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 16926

tctttgttcc tatgggttcag taaggccaac aatgttcagc gccagggggg ccgccgagga 60
 acaggctctg tgcaacaacc ccaacagcca atgccaatga tgcagcagca ggtctgctct 120

tgcacagagt ttccaatttt ttgtttgtc tctcacgtta ctcatctgca tgcattgcctg 180
 atggtgagat actttcttat ttgtttgtta gatgcttcca agggggcgtg tctatcgta 240
 ccctcctggc cgcaacatgc aagatgtccc acttcaaggt gtagctgggtg gaatgatgtc 300
 agtcccttat gacatgggtg gtctgccaat ccgcatgct gtgggacagc caatgcccat 360
 tcaagctttg gccacggctc ttgcaaatgc tccccctgaa cagca 405

<210> 16927
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 16927

cttgtggctg agaagacgaa gatgaagctg acggaagctg cacaccctga agcattgatg 60
 gcgtgctcca ccgtccatcc ccgttcagac gccacgtgaa gcggaacatg gcccgcacga 120
 acaagacata ggagatgacg actgacgcca cgaaggacat cactgacaag atcgactgcc 180
 attctcaact aaccattaca 200

<210> 16928
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 16928

acactctagc gtgacacaac ctattattcg tcgtcttacc ctccctttat aggcctctata 60
 acggtcttaa agatgaatat tcaatctcag cacttagtct tttctctcaa ggaattttgg 120
 gagcttttta caactatata caaaatttac aaaaagcatt ttacaaaaag aattaatcta 180
 tagcttttta aaaaaaccta ggattctttt gtaagttttt gctttggatc ttcaaagctt 240
 ctaatattta tagctctcat cttaagcgt tcattatctc acaatggatg aacttcttca 300
 cttaagcttg cgtctaattgc ttatgatcga tggagcattc aatgcttaca ttaaatgcac 360
 gtccctcctc atgcaaccaa accactttga gtggctttct tgtagagcac tgcatt 416

<210> 16929
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 16929

tttcttctct ttcaattgag ctaaggaggt tggaaagcaa atgcagcata tgggaactca 60
tattcatttg ggcctttgtg ttggtcaatg tatgtgggtc ttggtcttgc gatattcaag 120
ggacatttat gatagaaaat gcatgttctt cttgtagatg acagaatgag cacagaacat 180
cttctaattg aattaacttt cgatggtagc ctattatgaa agagtctcca caagaggcaa 240
taaacttttag gtaaggcacc caaattctag agcctactga agaaaatggg gtctgcagta 300
acaccaccgt ctttgacttc cataattgca aaatatgctg aaccgaccat tagt 354

<210> 16930

<211> 415

<212> DNA

<213> Glycine max

<400> 16930

tttgaagttt aaatgaaact tgtagaagaa gcttatagca tgatccattg gattattggt 60
tatgatctaa ttaatgacca aatttgacac attgaatgac cttgatcagc tatgcgtagc 120
cgtgccatcc aataccaaat gttatgtgct tcacttttaa aaattttact caaaaaagtt 180
aaaataaagt ttgccaata atggatatc ttactttata ccaaaactag taaattttat 240
cctatatgcc ttgattacta tgctaattct cctaggatta gccataactt gagtaaacct 300
ctcatagagc taaattacgc tgccactcat tgcacaatgc aatcttgtca cggatggaat 360
tttcatttag acaattttca tatctctatc agttaagcta aacaaattat ttata 415

<210> 16931

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16931

agctttgtgc taatatgttc tattgacact ctttatttct gaacttcttc ttacacggca 60
aagtacttca attccatag cttagcacc gtagagtact tgtcgttctt agaaaagaat 120
attgctgcgg agttatcaca atacattttc agcggcctag caatactgtc gacaattcca 180
agccctgaaa taaagtcttg caaccaatta gcctaaattg tagcctcaaa acatgctaca 240
aattcagctt ccatggtgga tgcagcaaca actgattggt ttgcactctt ccatgatatt 300

tctcctccgg ctaagagaaa tacaaagcca agagtggatt ntcttgtatc cacacatcca 360
gcaaagtctg agtctgaata tccaatca 388

<210> 16932
<211> 420
<212> DNA
<213> Glycine max

<400> 16932

tgccattggt tccaaatacc atcactaaca tcatatgaaa acgtgtgttt tacagctatg 60
aaacactgac acagacacag acacgtggac atttgtaatg tccaaaatgt aggacacaca 120
cacacaaaat taaataaaat aaaattacat aaaattaaat atgagcgata tgcataaaag 180
atctaaattg aaaatcaaga tttatatatt tatcatcaca cacacacaca caaatatata 240
attaaataaa ataaaattac ataaaattaa atatgagtga tatgcataaa agatccaaat 300
tcaaaatcaa gatttatata tttattatca tctaaaaaga acttttccta tgataataag 360
tcacaaaaaa tactaagaga cctcattata caatttgtac gctttgtttc tttacaaaca 420

<210> 16933
<211> 387
<212> DNA
<213> Glycine max

<400> 16933

ttcttgcagc cattagaaga gaagagaaaag aacatgtgat tagatgtatg actgaaaatg 60
ctagtcagtt tgtcagattg attgtgaagg aatgcattga ccgtatccca gtgagcgtgt 120
gatccttaaa ttttaagaga aatgactatc atttaatact gatttttgca agaactctctg 180
aagtatggac tgaatgcatg aattaaggat gatgaaggcc atgtttgatt gtgatagcca 240
cttagccaaa aagctgacca cgtgcttgaa tgatttatcc cttgcacca gtttgagctg 300
aatgaattac taattgactg aacctttagc ctatacagtg ttatctcctg ctaccttgtt 360
ttaggttgta agagagcatc atccact 387

<210> 16934
<211> 414
<212> DNA
<213> Glycine max

<400> 16934

tgtaggggta aagtctcacg attgtcacgt gctcatgcaa caattgttag tctgggctat 60
acgagacatc ttgccaaaca aagtcagggt aacgataact cgcctgtgct ttttcttcca 120
tgctatatgt agcaaagtca ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180
aattatactg tgccaattgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtca gagaaatcaa atgttgtggt cctgtttatc tacgggtggat 300
gtacccgggt gagcgatata tgaagatctt aaaaggggtat acaaagaatc tatatcatcc 360
agaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt tgtc 414

<210> 16935

<211> 373

<212> DNA

<213> Glycine max

<400> 16935

ttcttgata atgtatagtt actgaataat tattgtcatg acaaggaaat cttaaataatg 60
caattgggtca cgcatacata tatatatata tatatatata tacacaatgt gtcaatgtga 120
agactacacc accacattct tgggtgcaaaa atagtatata cactgataac caaggaccct 180
tttgtttctt acttttgcct ttaattaagt gggcgtgccc tcccaaattt aaaaagataa 240
agttagcata tggtagcaaa atacccttac aaggcaaaaa agcagcacgg aaacaaccat 300
ataaaagaga agcatgccga cggcaaaatc aacgtggaca gaatcaagag agtgacacat 360
tattatgaag tca 373

<210> 16936

<211> 408

<212> DNA

<213> Glycine max

<400> 16936

tcaagaaaaa gatggcctct tcaaattcct tatttccgga agggaattct atcaatagac 60
ctccaatctt taatggagag gggtaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaaccta 240

gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
 taataacatc tgccctagga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactctt cgattagcac atgaaggaac tacagatg 408

<210> 16937
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 16937

ttgtatgcat ttacaatagg agccagtggc atagtccatg tacttctcta actctttctt 60
 gtacaaaaca caagcatggc ctattgtgtt gtaaaccttg tctgccccat ataggttgat 120
 cttaccaacc ctattctcct ttgggggttat gtactttcta atctctctca tgatgaaaaa 180
 attgatcaaa tgatcctcct tctactggga gctcgtccct tcatcaacct tgggaacccg 240
 aatctgcctt agagcaacat taccactatg aagagggctg actatttgat cctctagaaa 300
 ctccttgtcc aacatggcgc ctatgattgt ctccattact tgaacttttg actc 354

<210> 16938
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 16938

tgccagaata atgggttgga ttcttatcat tctgtgtagg ttggatcatc ttgtaagcct 60
 tttgagtctc actagattct actcagcagg atttttctc cacaatgaag atatatgcc 120
 acattctac aatctgaggg atgtttctga tggttttgat gtcaaactcat tctctgatag 180
 agttggagaa gtgatagaca tggttgaagc ttgacaggcc aagcttgagt caaaagttca 240
 agaaatggag aaaaacaaag gctccatgtt ggacaagaag tttctagagg atcaaatagt 300
 tagccctctt ctagtgctaa tggtgctcta aggcagattc gggttcccaa ggttgatgaa 360
 aggactaact tcacagtga ggaggatcat ttgatc 396

<210> 16939
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 16939

ttctttaatt tttggacctt tagatgcaat ttcataagtc atgtgaatgc ttaaagttgt 60
ttgaattgaa ttggcctatt tgtttggtta aactaccaag gtgggtgcat tgcgcatgaa 120
ttgttgtaga atatctaatt ctttctttca aaataataca catggagtgg tgatctttat 180
tagttgtatg tatggtaaca cctacaatta ataaagacca cacaaaaatt ggttgacttc 240
ttggttgcta tacttgggat aactaaaata gtattgttat gtatttcattg caaaatattc 300
tttatgctaa attntacttg aatgtgcctt tgtaggtatg gcttcgaaga agctatctac 360
taaa 364

<210> 16940
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16940

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taagcgcaac actcatgggc taagcacgac gaagactctg gaagaagata agttgtacag 120
gtttgctaag cgcaccactt catctcatta agcgcaccgc ttcagttcat ccgctaagag 180
agaaaggcac gcgcttagcc aaaattcact aatgtgcgct aagtgggtcca taattgcgct 240
aagcgcacga gcacgaacaa ggccacctat ttaagcgtga aatcagattt tagaggtgga 300
gtttggactg ggattcagag ctttgcatgt ctagagtttc tagagagaga aaggtccaag 360
ctttagagag ttttgagagt ttttgatgtg tgaagatctg cagagacc 408

<210> 16941
<211> 368
<212> DNA
<213> Glycine max

<400> 16941

tattcttgtg agcattctct ccatagatca tatcattctt catttaggtg atcatgaagg 60
tcagagagat ggtatagctc aatttgtaag ccttctagta ggctatacaa cttatgaaga 120
tattctaate agtcagattt atttttgttt acatattgac tcattattaa agaggagctt 180

tgtggtctct attttaagag cttcaaacgc atcacacact tgagtggaaa actattaaga 240
 actatatact attactccat gttacccttg aatctgatta tgatcactgg agatgttgaa 300
 gaaatatatt cttgactctg ataatgttta cacattatgg atgaattagg aataagctca 360
 tgatatgt 368

<210> 16942
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16942

tgctatgtgc cccctaattg aggaacctaa tagatatgat ccaaaagtcc acttctagtg 60
 ataactccaa ggggtggttt taagtaactc tactggtttc taaagatatc atcctcttaa 120
 gtaatacatt gtggcaataa gaactatcag caacaatgca ccactaaaag aggaaaactc 180
 tagataaggc ttcactgtca tcaagcgagt cggagaccca gcatgaccat agattgacct 240
 ccactcctta cgactcacat agaccgggtg ataaggccta atatctcaat gtgcgtgcga 300
 agtgtacgtg ccatgtgtgt gtaaaacaaa tatttctaac tatcaatgta atcgatagac 360
 aaacacacat caaacacaac aacatagaaa aggttatata caaatatgga ca 412

<210> 16943
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 16943

ttcttatgag cttacataac ttacacattc gttgatgggc acttaagatg agtacattca 60
 cacttactca catacttatt tttatagtta ctcttctaac tttatatact tatttgagga 120
 cgttatgctt tattgtacat gtatgccttt atgccgtcct tataacgatt attctttttt 180
 aggaatttat cataatcaca tctatgacgt gtgtctgttt cagatttttag taaatacaac 240
 attaathtag tatatctatt atattgatta aattcctggt tttcatgtgt gcacggagga 300
 tcattactaa ttatatatat tgatttgaac ggtcgaagtc ttttatttta taaattatct 360
 ttcgtact 368

<210> 16944
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 16944

gaaagatgct gaatacatga cagtagtttt aaaaaaatg ctaaagggttc atacaacaac 60
 ttcaaagaag caatgacgat ttaaaaaatg aacctaacct ttcaagttaa aaactacgat 120
 atactattga agagtggagg cacaatcact aatcagcaat caattatagg ctaccaata 180
 acaaattcaa gcatgatggt taagggtggaa cagaacaatt accctgcaac tgagctgagc 240
 atacacgaag caataacaca ccaaccagtt acggtagagg tagtaatcgc aacatagtca 300
 aagaaatcac gagactcaac cgagacacac gtgtgccaac aagtatcgac aagaacaac 359

<210> 16945
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16945

ttcttgaaga ttctgggaga atttcatctt tattggctat agctccttgt gagagagcta 60
 tacacttcac aattggtata ccaggataga gatcattatc tgaaatgtgg ttatttataa 120
 gcaggccttt tggatcggc aaactgacaa tgttgagtga gattgctctt actgcagtta 180
 tttcaaagca tagtccaact tcatcaataa atgatcaaca aacacctagc acaccatcgt 240
 cactgagctt tagctcttta tctccaaact taactccaat aaaaatgagg agtttgagtg 300
 atattttatac catgtttaat tattattcta tggaacaatt taaccttgaa taagcacgta 360
 atgaaatgct tggc 374

<210> 16946
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16946

cactatacac aactcaagct tcttgagaga acttanaata aaagtattaa gtttaattga 60
 tcatatttat aagcgactat aattcatact atgacccttt atgcttcccc ctccctttta 120

tcacatagta acggtttgaa aacaagggtt gattcaatgc tggaacaaac aagtcacctt 180
 caccatcaact tacatagttg attgctaagt ttttgttatg aagaaaagga agatccctta 240
 tagcgtcgtc cttgaacaaa ccaacaaaaa aagtactaag gctgagcttc tttatcaagg 300
 attactaggt aacacgcatt ccatggaaat ataaaatact ttgtcttctt atccatgtaa 360
 tgtaaagcaa tagtaagaat 380

<210> 16947
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16947

agcttctcac tgtcaaagga acccctttgc attttttcac aatttccttt ccgatctcca 60
 ttagatttgg atattccttc tcttgacctt ccttaaagtc ccatctcaca aacagcgata 120
 tacaattctc tggagaaagg ccctctaaaa cataagaggg aatagtgcc atcattgaag 180
 caatggagtt acttcgcgtt gtcactatga ttntgcttcc cactgcacca acttttatta 240
 aatttttcaa gtcaatccat ttgtataat catcattcca tatatcatcc aagaccagta 300
 aaaatttctg aagagaaagc ttgtgtctaa gacgagtttg aagctgctca atatctaagc 360
 tggatgat 367

<210> 16948
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16948

tgactgttac ttgatgaatg tatgtcagct acatattctt tttcagcctt atattgcaga 60
 acattatcat actgatcaac aaattgcttc agagttgtta gccggcttac atatccatca 120
 aaaaatgcat gcatgcttcc attgtgtgga ataatagaca ttccagccca gaactcacct 180
 cttacaaagg aaggagccca gcgatgtctc tcacagaaca actctttcaa ccatttattg 240
 tcttgaggt caaaatcctc cacaatcttc tttcatttct gctcaaattc acttattgga 300
 tgtgtgtcat atacaacatt ctgcaaata tctcttaagg actcgtaata acatttccat 360
 ggattagttg ggga 374

<210> 16949
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 16949

tttcttatgc gcatattgcc ttactatcgt tcacttgccg aggacattct atcatctaga 60
 aaaaatgcac ccatatgcag tcaaggtagc ttggttacct agatgatata catgtactta 120
 ctatgaggat ttgctattta catgacacac gcctacttgg ctgaatgtac atacatacat 180
 actctaagca tttgggggta ccaaaaattg cacatgcgcg catattgata tgtctaacac 240
 ccatacatat acaaacttca cgaagaatgt tgactaccta cacaatgagg tgctacattt 300
 catgcttttt tttttaagat cttggctacc taaagcacca tgcaagatca tgcac 355

<210> 16950
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16950

ntgccaaata aacaagttcc ctgtgttcga tacttggatc attccgtttt agttttacat 60
 acttggcgac ccggtgcgct tgccgggtata tcacttccct tttgatataa gtgtttgtaa 120
 gtttaagaaa aaagaactgt gtggggaagc gaacaaagta tttttggtgc cgttgccggg 180
 gaatttattt catttggaat gtttaggtca gtttgaaggc attattgatt cttttttttt 240
 ctttgattca ttgattattt ttgtgaatat ttagttactg cacaatttat tgctctttgg 300
 aattggttaa ctactattct gcttggtttg catgcaaaga aggtctgctg caagtgcatt 360
 gatttccata gacttgaaaa ttaa 384

<210> 16951
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 16951

atctttaga atgggtagac atgatacatg tcagggtttg gtttggttca aggataaaaag 60

ggatgcccc cattatctcc atgacacaaa tgcaaaaatg atgatttggg aacttcatgc 120
 aaaactgggc atgcatgcac ctatgcggac actcaagcgt caaattttta tggatcatgtg 180
 atgctagggc tcaggattca tttcctctat tttagtcaac ccaatatttc caaaatatgc 240
 tcttttatca atttatgcat ttatcctagt ccatttcggg cgtctgggga aatttcacag 300
 cattcaccct tcaggtgtag acacattttt caaaaattgg ttatgatcaa tgaatttttt 360
 tt 362

<210> 16952
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 16952

tactccgcac aatgagggcc ttttgggtat gaagtgtcta ttcctccttc taatgacgca 60
 tggacactta tctctgacct aactacaatt cgtgcgaaag gtcggtcaaa atcaacaatg 120
 ataaggaatg agatggattg ggtcaaacca tctgagcacc gacaaaatgt attacatgtg 180
 gagccgaaga ccataacagg agtcgctgtc caatgcaatc taagcgcggg agttgttcaa 240
 accattgatt tatgtatgtt agtcgactca ctctgatttg ttttaagttct cttcaatgta 300
 ttgaacttgc ggggttgaat caattcggtta gttataaaca ttacttattt a 351

<210> 16953
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 16953

agcttgtaga attatggggt acccatcaga tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca cacagcacia 240
 gctatcacat cctatcataa caaagcaaag gctgaaaact ctgccaaaac accaaccaaa 300
 aatcacaagt ttttcccact caaagacccc aggaacaatt ccttcgatcc aatttggtta 360
 cc 362

<210> 16954
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 16954

tataatatat cgagatgctc gaaattaatc atcggtagct cttgagaaaa tcaattggct 60
 ataatttatc acacggatgt ccgattcggg tgcataatat gtcgagacgc tcgaaattga 120
 acaacggagg ctctcgagaa attcaaatgg ctataacctt tcacacagat gttcgattca 180
 ggagcatcac atatagagac gtacgaacaa cggatgcact cgagaaatac aaatgggtcat 240
 aacttttcac accgagttcc cattcacgct catactatat tgatacgttt gaaattaaac 300
 atcgggaagct caacgagaaa ttcaaatggt cataactctt cacacggatg tccgattatg 360
 gagaatcaca tatcaagatg ctcaaaattg accaacgaag ctct 404

<210> 16955
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 16955

ttcttgtcag gtttcctaac tcttttggtg tggtgccagt gattccattc ccttgcaaag 60
 atctaataca agtataatat gcatcaattt actttcccggt catcaaaatt tgagtttagtt 120
 agaatgcaaa aataattttt agtattatgg agttgaccaa gattgtgtgg attttttgtg 180
 atagaaatcc ttacagagct gtaagatatt ttaaaactcc tattattggg gtcaagtatc 240
 ctgtgaatcc catatatgct agtgatctgc aatgaagcaa tttatatatt acacagcaag 300
 caggaattca agatttaaaa atgtgaaata taacactttc tacaatgagt aatgacagcc 360
 aacatc 366

<210> 16956
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16956

tccactttctc aatgtgagag ctctatatta tttctctttt taaccatac tggttcattat 60

taacattgaa ctttttgttt ttcttcaaga taaaaaaaaa tctcatgaaa ctttgctata 120
 atatactttg ttgatgcttt gtattccact attcatctgg agaaaacatt atatctatat 180
 tacctgggta acttatgaat gtgaatcatt ttatttcatt tcaggaaact aactttaagg 240
 aatggaggca agtggtgaca gaaattaacc gtntcacgaa agttgacaag ggcttttagtt 300
 tcaggcccat gcgttattgt gccacatttg atactcatcg agcttctctt ccttatgt 358

<210> 16957
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 16957

ttcaacaaca aaaatgcaaa aggttggtgt caaaaagtaa ccaaaactta ttctattatc 60
 aacacttttc ttcaatttat ttttattatc ctaaaaacaa tgtatttttg tttaaaataa 120
 attagattca tgttggttaa tgcattgttt tgttggttta catttttata atcactgcat 180
 acgctaaaat tcttttataa ttaatctcgg aatgatgctc cactaaaagt caaatttggt 240
 cctagaaaag actcttgta tgtgccttta tatattttcc tttttttcca gttttatatt 300
 attgagacat ggtgagggtg aatattaaaa cccaacaatt gttaatcgaa attttcggtt 360
 ttgatt 366

<210> 16958
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16958

ttgagctntg agcaccacag agtgtttcat caccttatta ccaagagtag tgtaggcggt 60
 tctgtaggtt cgagcgaggg gtttccggtg gtattgaaaa caatatggga caatgtgggt 120
 gtcgagggag cgatttccgg cagatttcac gcgggaggag aaagagaaga gcgatttcaa 180
 gcaggaggag aaagagaaga gcgagtgcaa ggttttcgag cgcgcacgtt gtgaaatgtc 240
 aatgtttcaa cttataaaca taacaacatc ggttttttta ggataaccga tgtaaataa 300
 atatagttaa catcggttgt ggcaaaacca atgttaacat cagatatgtt acatcgtgtt 360

tttataaaaa ccaa

374

<210> 16959
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16959

atcttgtgca ttcaatatcc tgatgagggt gttccatatg ttctcaagac tagactaata 60
catttgttgc ccaagtttca tgggtcttgc ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tttgttccac catgaagccc cttgatgtcc aggaagatca tatctttcta 180
aaggcttttc ctcatctct agagggagtg aaaaaagatt ggttgacta ccttgctccc 240
agatccatct ccaactggga tgaccttaag agagtgttct tggagaaatt ctcccttgc 300
tctaagacca ctgccatcaa aaaagacatt tcangaaact taatggagag agcttgtatg 360
agtactggg 369

<210> 16960
<211> 351
<212> DNA
<213> Glycine max

<400> 16960

ttgaatggac accacttcat tttggtcttc tttgtatact tcaccaaagtg ggttgaagtg 60
ggtgcgtacg ccagtgtgac taggagtgtg gtggttaggt taatcaagaa agagataatc 120
tgctgggatg ggttaccag gaagattatc attgataatg ccaccaatct gaataataaa 180
atgatgaaag aaatgtgtga ggatttcatg atccaacatc acaattctac tccttatggg 240
cccaagatga atagggtagt tgaggctgct aacaagaaca tcaagaaatt agttagaaga 300
ttaccgggtc atacaaggat tgacacaaga tgctcccttt tgcactacat g 351

<210> 16961
<211> 327
<212> DNA
<213> Glycine max

<400> 16961

ttcttctcgg tacatcacgg gcctcaatcg tacacccatg tcaaaagtta tggccctctg 60

aattggacca tagcttcttt gttagggttc gagcgtctcg atatattgtg tctgaatcgg 120
 acatccgagt gaaaagttat gacaatttta atttctcgag aacttccatt attcaatgcc 180
 gagcgtctct atatatcatg ggcgccaatc atacactcat gtcaaaagta atggccgtct 240
 gaatttctcc agaacttcca ttattcaatc tccagcgtct ctgtatatat tgctactgaa 300
 tctgacattc gactgaaaag ttatgac 327

<210> 16962
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 16962

cggtgcttga ttgtgtcgtt cgtcgacacc ccgggctcat ataatacgcc tgcattctatc 60
 ccgcacctct atacgacttg cgagtagtgt agtgtgacca gggtcagccc cttgagctct 120
 tctctctcta taaaaagctc ttacgaatat tgttgacgt gaagaagatc cacgccgaag 180
 cgctttcaga acgtttacgt gagtgaatgc tcgaaggatc tctaccgttc ttcggagatc 240
 tttattcgcc ctacatcgac cctcagtgt caacgggttg accacctcga accaagctgt 300
 aacacttcat tgtatgtacc cgcagtggtc cacacttggg ttcattgtata ttactctctg 360
 ggtgcattta ctgtttatac cgccttttga cgagcttaag ccgttttatt taagtcattt 420
 ctgcgttaac ctccaataaa ctaaatcccc accgattgtg tgaa 464

<210> 16963
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 16963

ttcttgctgg cgaagacgtg ctgatgcctt ctgattgagc ttgaacttgg gcctgagtca 60
 acccctgacc ctgggatctt cttctccttc tctctataa aagcacggaa tactcgatat 120
 ggcagatata cataccgatt ctgaaagcgg gaacgatttg cgacaattat ccgcccaatt 180
 ctctcatcgc caaatgtcac cctctttcag acaattttcc ggcgcatatg gaaatccctc 240
 gccggacatt tacggtgcca ctgcctgtac actcaacaat ccattattgc tccgcatctc 300
 catctccaac tacatctaca tctcgaacgc tacttagcta gctagggttt atg 353

<210> 16964
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 16964

ttcctacaat aatggggcat tcattattgc ttttttatat ggagagaaaag tggcctccaa 60
 gaggttggtg atgatgttgc tctctgagtt gatagcatgc aactgatgat ggaagttgcg 120
 gcttggtgac gatgatatgg tggcaacat acctgaaaga aatcaatggt gttggtcata 180
 ac 182

<210> 16965
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 16965

atcttatcat atattcattg ttggaacgcc tacatttgcc aactccaag ttggtagccc 60
 tggacatgag gaggggtgct ggaaagtcac ctttaattgta gtcacccttg gccacacctta 120
 gttgccgttt cttcgggctg ccttgattgc agtggtgaaa gggggtgttt agtcctacat 180
 ggactagata tatgacttaa ataaagctaa taaagtttgg acaatcctca ccttaaataag 240
 attgatatcc tttctctcat ctttcaacac tatttctctc tctctctctc tctcttagtt 300
 tctcttaatt ctactaaaat cattttcagc cacaatagat catagtcctt ggtcaattgc 360
 tctaaattca 370

<210> 16966
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16966

ntttctttga tatatagcta gcaatctata ctttgtatta attgtagaat gcacaatgca 60
 aaccaagtag gagggggcaa ccttataaag aggtattctc tggttgtaatg tcattttaat 120
 aagttgggtg aagaaatact taagacataa taagtacaat aaaataataa tgtgaactgt 180

ctacacccaa aagacaaaaa ttaaagatgg ccagaaagtt ctattatattt tcttgtgtat 240
cacataaagt aaccagttat ccatcaacta agatatcttt tgaagctaag aatcatagtt 300
tgagtntaag ggtgatttat ttatttatatt tcttctttgc gatggactag gtggtcacat 360
caagatactg ggttttgtct aaccatattg ggtgaagtat aacgattctc agct 414

<210> 16967
<211> 372
<212> DNA
<213> Glycine max

<400> 16967

agcttcttat tcaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct 60
agtggatggg gcctcctctc acctcttctc ttttgtcttt cgctgtatct ccattgtgaa 120
aaattacat tgatggactt cattgaagct caaagatcta gcctccatag tgtggaagca 180
atgacttcca agattatattt gatgatgcca aagaatcaag agttaagcaa gttccaaaga 240
ataaggagtc aaaaagcttc aagaacaatc aagtttcaag attcaagatt caagaacaat 300
caagtttcaa gactcaagat tcaagaacaa tcaagatcaa gattcaagaa tcaagagaag 360
actcaatcaa gt 372

<210> 16968
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16968

tattgcatcg attatgtcgc ttagcgagat ctgcttatta tattacctgc aactcttcgc 60
acgcatattg ctgccaaaat ctgagcttaa cggcatggaa tgggtgcttaa ctcaatcaaa 120
atgaagtttg gccgcaagaa gttcaactta gccaccatga ttggcgctca gctctatgaa 180
cttcagttct ggccgtaaag aattgggctt tgtgacactt agtcgcactt agccaaggat 240
aatgtatcgc ttaacggntt ggctgtcngc ttaccgaatt cagatcgaat tgaagttggc 300
ttagctcagc cttggctagc ttaacggacc aaatcatcct cagatgccaa ggtcgagcgc 360
taagcgct 368

<210> 16969
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 16969

ttcttggttac tattgaagaa gtttatcatg ttgtttcctc tatgaaatcg tataaggcac 60
 ctgaacctga tgggtattag aaaatatatt ttaagatatt ttgggaaaag gttggagatg 120
 atgtttggag atttgtaga gaagcgattc ataaggatg tttgatgtgt aggctgctaa 180
 gactattatt gtcctaattc ctaaagggtga ttctcaaaaa acatttagag tgtgtttgga 240
 tagagaattt taacaaagga aagtaattta tcagagaatt taaatttttc taatctagaa 300
 ttcattgttt ggatgttttt tttatgaaga atttaaattt ttggaatttt aaaacggaat 360
 ttcaaacaac taaaaa 376

<210> 16970
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16970

ntgcggattt ggtcttcgcc agtgaaagga tcgatgtggg tccgaataga ggcacatttg 60
 atcactctac tangacgact gagaaaactg gggcaattga agaggggtgag aaagagggag 120
 aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgc 180
 cattactcag tcaataacaa acctcctcct taccaccac gcagttatcc acaaaggcca 240
 tccttaaadc aaccacaaag tctgtctacc gcaattccaa tgacgaagac caccttttagc 300
 acaaaccata aaaaaaaaaa aaacaccaac aaaaaggaat tttgcagcaa aaagcttgta 360
 gggttcaccc caaattccgt ggtcatatgc taaacttgat 400

<210> 16971
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 16971

ttcttctaaa ggatgtgagc ttatttatga gaggggtgta tgtagctaag ctctagcttc 60

tcaaggaagc tatctcaaag aagcttatca tagaagtatt ctcaagaaag cttctcaagg 120
aagctaccta ctctataaat agaagcatgt gtaacacttg ctgaaacttt gatgaatgag 180
agtcttgga gacacaactc aaagttcaac ttctctacct ttttcttctc tcaatttcga 240
gctccccctc tctctttctc tccctctttc ttttctcctg ctgaagcatc ctctacaagc 300
ttcttataca aggctcatct tgggtggcgaa gctccttctt ctatgg 346

<210> 16972
<211> 305
<212> DNA
<213> Glycine max

<400> 16972

aagagaaatt caacgccaag tccaattttt gaaaccatat atattgtcat ataacataat 60
cactttatta gaagcgcata agacaacata ctacatggc cctgtatatt gtgagctcat 120
aggaaatcaa gcaagggtta ccaagaatcc ttgttgctca acataattga cgaaagtcgg 180
acaaggaaat gtggcattaa atgggtcaaa tcaaccccaa tacaaaattt cattactcta 240
agcacattgc aaacaaaagc aatccttaat tacaatccag ggcagatggt atttctataa 300
caaaa 305

<210> 16973
<211> 365
<212> DNA
<213> Glycine max

<400> 16973

tgcattttat cttttttgga tgtttatgcc ctgacggggg gagtccttac cttggtaata 60
aaatattgac ctaattagca ttatagttcc tgaataatga tagtggttctt ttacattga 120
taaattgaca tttttttttt ctccatatct tacactacat actttttatt ctatatattg 180
cactatcttt tatttataat tctaagctaa aggttatatt ttctgtttat acattattac 240
tacgtaaaat aacattatta cacaaattaa attatttgcc atatatttac tatatactgc 300
acacattttg ttggtagttt aagtgaatcc atactcaatc attacatgct ttaagtttga 360
agtga 365

<210> 16974

<211> 387
 <212> DNA
 <213> Glycine max

<400> 16974

actgagttgc atgcatatctt ttaccttttt tttttacaca atatcatcta cgatggcaat 60
 cggtagatat ttctctactt ctcaactaat tggatgctgt catcctaccc cctctctgaa 120
 tctttacaag cacaagatct aatâtggggc ctagagtctc aactcacaac tgatgtatgt 180
 acgaaaatat ccagttttac aatcttaata tctactagat tcacaaccga ggaggaaaag 240
 taactccctt tccccagtga ccttgcacgc gtaaccagta tgcccatcat aaacgcacgt 300
 gattcatgcc ttgtgtatgt gctgtgccct acaacttgcg gaattggggg taattgtgga 360
 cgtaaataac cactttaaaa ttaaaat 387

<210> 16975
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 16975

ttcgcatgct ttcttatggt tcgacttggg gcccgactta tacgagtaag atgatggcgg 60
 tggatccttg gcgtgaggat tccttatatc gaaagtcttc ttggcggatg gtccacgcgg 120
 cagcgtgagg atcccttgca tcaaaatcct tcttggtaga aaggtcacgc aacatgtccc 180
 atgggtggag cggtggtgca agtatctaga gcatgtgggc tttaatggcc accttgga 240
 tactcatgga tgaaaatggc ttctgctaga gggggagact accatctgga tgacactcac 300
 actttatggg gagattatag gagtacacgt gtgaggtaaa gtctcacatc tcataagaat 360
 gagaaagtta aa 372

<210> 16976
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16976

caatgcccgg catcagagat gcagtantca ccaccatctg tctgccaag ggtgaactca 60
 tcacatgcgt gccttgataa aatttctata actgtaaagc caatgagggt ctctttcttg 120

ccagtaatag tcttcacaaa ctccttctca gggttcttag ccaacacatc atattcagga 180
gaccctttct caagcataaa tctcctgcaa ataattggcc tattcaggat taaacctcca 240
tatggatact gtccaaggta acagcaacat gaagagttga agcaatccat ataagggtag 300
cggatgcttc aaccaactct tcccagggtt gcctctgttg ccacca 346

<210> 16977
<211> 365
<212> DNA
<213> Glycine max

<400> 16977

tttttggag gatgcttcaa tggaggaaaa gtaagagga gagaaagaga gagggcggag 60
cacgaaattc aaggaataga agaggagag aagtataact cttgaagtat gactcacaag 120
actctcattc atctaagtta caacaagtgt tacacatgct tctatttata gactaggtag 180
cttccttgag aagctttctt gagaaaactt ccttgagaag ctagagctta tctacacaca 240
cccctctcat aactaagctc acctccttga gaagctttct taagaagatt cctaaagaag 300
ctagagctta gctacacata cctctctaag agctaagctc acctccttga gatgagaagc 360
tagag 365

<210> 16978
<211> 368
<212> DNA
<213> Glycine max

<400> 16978

taaaaccct tgatcattac taaacaagct aaaattattc ttaatcatac agcaggtatc 60
ctaattacat gcatgaaata agaataaaaa atagaaaaag ggaaagaaaa gctgggtggc 120
ctcccagtaa gcgctctttt aacgtcacta gcttgacgca tcgcctgtt atccatgac 180
caagagagtt cctacttcaa ggaccttctt ctcaagtctc ttttctcca tcacatgcac 240
tttaaaacaa acattttggc taggcggatc tttgtctcc tggaacatat caaagctgat 300
cttctgatct tctatgccc tctatagaat cttcttccc atgtccatta tgaagcttgc 360
agtaaaca 368

<210> 16979
 <211> 698
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16979

tgcagactgc gtcngnnttt gattagcccc nntcggaatn agccattage gancntcacc 60
 canntaagng tctgagatan tcncacgcca tcgagtcacc tctcgaggag tactccccctn 120
 nnctagcaaa ggcggnnacg catgttggtc tactnantgg catatgtctc tgatctatac 180
 aggcntncat atgtaacagt aggcgatgta tacgccgcat attctacgta tcagatagtg 240
 tgaggactac tatggttgtc tctcgattta gcgcagtgac gcgcaccatg tatattgtct 300
 gagtcatcac atcctagctg tcaccgatgc tacgatattt gttacngttc acagcacgct 360
 tgtgtatatg acgatagacc tacatcgagt agcagaataa tctcgtacga taataangct 420
 tcattataca tactatgtca cacatacacg tgggtgtgata gatgtctcta atactaggta 480
 aagacacagt ttcttcaaac cagctctgcg atttgagaga gacctttaca ctaaatagat 540
 ctctaccaca tctccttgcg gaaaagcgtc gtattactca attagataga ggttgcttag 600
 tgcatacgta acattgactt gtgctgagat ggatagacta attattacat aggagagagt 660
 gtcaacttag ataggctcca tacaatctat cgcatacg 698

<210> 16980
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 16980

aactcaagcg taaccttata gctattggag agtcatattt gaacttgatg acggagcagc 60
 aaaactatct gagagattac ggcgcggaagt atattcttcc tcgtcgacca tgcaaccctc 120
 atcgaagtct tgagcatacc ttaaagggtc atacccaag ccaccaacgg gatcgaaagt 180
 gcttggttctc cttggcaagg aagcttcaat ttgagacacc ccagacccaa agctagcctc 240
 gtctaagaga tgatgaacta ttctccatca cttcgagaga gctcatggaa tgaaagtaca 300
 acaactcaat atctaagct ttttgaagcc tttcttattc actacttttc actc 354

<210> 16981

<211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16981

tgagcgcanc cattgacacg ngtgaatgca ttgattgatt cgttgaatac cacacgggaa 60
 ttcgagatcc gttccagacg acctctataa tgccatgttg cacgctttct ttactcgcat 120
 gtccctgacac tgggcgtacc tgatagtgag cctgggacta ataaagggga attctctaga 180
 ggtgcaagag aagatgatgt ctcttctttg gtccagaaaa agcgactaa ggcaccggta 240
 gtttgtaatt gtgactttga taatactctt agaaacttaa tgggaacaac ggctatatag 300
 acggttcgaa tgctgaccat atcataacgc gactgatgac atcagacaac gtatgagttc 360
 gagcacactc cacatgtata gcctcttgca tttgttggat gagattggct gacctctatt 420
 tggaggaact cgcaaatgaa tgatactacc tttatcatac tgggag 466

<210> 16982
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 16982

tcaagataaa tggcctcagc aaattcctta tttctataat gaaattctat caatagacct 60
 ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgaa 120
 gcaatagact taagtatttg ggaagccaca taaatagggc catatatacc taccatagta 180
 gaaagaatta caatagatgg tagcacatca agtgaaagca taacaatata aaaatctaga 240
 catagatggt ctgaagagga tagaagatga gttcaatata atctaaaagc caaatacata 300
 ataacatctg ccttgagaat ggatgaatat ttcacggttt ccaattgcaa caatgctaaa 360
 gagatgtggg acactctaca attaacacat g 391

<210> 16983
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16983

ttcttgcaca caagattctc cttgcctggc acctcnaaac cttcagggtg ggtcatattg 60
 atgtcttctt ctaaatecccc atgcaagaat gcagttttta catctaacta ctccaagtga 120
 agattctctg cagctacaat actcagaata actctgatgg tagtcatctt tacaactgga 180
 gagaagattt ctgtgaaatc aattccttgt ttctgctgaa accttttcac cacaagtctc 240
 tccttgatc ttcttctatc gtcggatttt tcctttaacc tatagactca cctattctgt 300
 aacgctgtct ttcttctat aaatttagtt aaagaccacg tcttattctt ttgaaggggt 360
 gtcattct 367

<210> 16984
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16984
 gtgcataccc caaggatcca ttaggatttt acttgtgaaa gagagccatg aggggtgggct 60
 catgggccac tttgggatag acaagaccct tgtcttactc aaagaaaagt tttattggcc 120
 ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttggt tacaagccaa 180
 gtctaggggtg atgcctcatg ggctatacac acccttacc atcccagctg caccttgggt 240
 agacattagt atggactttg tccttgggct tcctagaacc caaagagggtg tagactctat 300
 ctttgtgggtg gtggataggt ttagcatgat ggcacacttt ataccatgcc acaagatgga 360
 tgatgcgttc cacatctcaa aactcttt 388

<210> 16985
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 16985
 tgcttcaaca taagccacgg ttcaaataag acatttaggt taagggttag ggcattactt 60
 gcggtttgtc tataataaaa tcaaatagaca tctattaata tgctgtccc aaccaactgt 120
 ctgagatttt gtgcatatga catactgtgt tcttgcttca gttccacgta ttacaacagt 180
 ttactagaaa atatcattga cattaagggtc cagagcaaaa aatgcacatg cttttatata 240
 aaagtgtccc cctcctcctt ctctctttta gtaaaagaga gttatatcca atattgttga 300

attcagttcg tgaatactaa cagacaatat gcaattaatc aattatacta ctt 353

<210> 16986
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16986

tatcaacatc aaacttggag aaatatntct ttggttctag acatgagaag catcaagtat 60
 aatgttactt cctcactaaa gcggtgatct atctccacac atattttatc aatagcaaca 120
 taaaaaatct ttgcacggta atgatgaaga ttagtgatag tcatcccttc tgctcttgaa 180
 cgaccccgca cggggatttc gtcattccata tttggtaccg gaatactttt agctacacaa 240
 aatacttgga cattggcaaaa aaaatattcc agccactctc tctcattgtg cccaaccgag 300
 ctttgacaac atcaactaat tgcattggcat tcacagtatt aagaaccttt tcttgcaata 360
 catt 364

<210> 16987
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16987

ctttcactcg catgtccgat tcaagcgcgt agcgtatcga gacgctagaa atctaacaaa 60
 ggaagctctc gagaaattca aatgggtcata acttttctact cgcattgtccg attcaggcgc 120
 ataacatatc gagacgcttg aaattgaaca actgattttc tcgagaaatt caaatgggtca 180
 taacttttaa ctcgcatgtc cgattcaagc gcataacata tcgagacgct cgaaattgaa 240
 caacggatgt tctcgagaaa ttcaaattggc cataactttt cactctcatg tgcgattcag 300
 gcgaataact tatcgagacg ctcganattg aacaacggaa gctctcgaga tattcaaa 358

<210> 16988
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 16988

[illegible]

<400>	16989
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<210>	16990
<211>	393
<212>	DNA
<213>	Glycine max

tgcggtcgcg	gtgttcggcg	gtggatgttg	aggctgcgcg	ttggatagga	aagagcggcg	60
tgcattggctg	ctcctccatt	tgggaagaat	atatgtgcct	atgtaataat	ggatttggcg	120
ctaactacgg	tcttgctgtt	cccttcacgg	acgtggaaac	tctgccacag	tgccacagta	180
tctcggctnt	acaaaatatt	aaaattgtaa	tttcaaacc	atattatctc	tgttctatta	240
taattaanaa	aaatatgcc	aaaatagtga	tcattttaat	tctttaatat	accattactt	300

atctttttct actcatatga tgaatgttat aaaagtgttt atgtttattt ttataaaaca 360
gctctaaatg attttatttt gagatgggga aat 393

<210> 16991
<211> 374
<212> DNA
<213> Glycine max

<400> 16991

tttttattgc tgcttaaagc atgtgtgata tacaaaatct gaagatccta atgagtgggtg 60
aatttgatat gaaagatcta ggggctgcaa agaaaatctt aggaatggag atctataggg 120
atagaactca gaaaaggcta tttttgtctc aaaaggatta cattcagaag atacttgtga 180
ggtttggaaat ggctaactct aaacctatca gcactccctt ttcagaaaaa gagaagttgt 240
ctgttatgat aaagattcaa gctcaggctg atcaggatta tatgtcaaag gtttcatact 300
caagtgttgt tggcagtctc atgtatgcca tggctgcac aagacctgac cttgcttatg 360
ctgttagcat ggtc 374

<210> 16992
<211> 392
<212> DNA
<213> Glycine max

<400> 16992

tactatgact tatttttaac agcttacaat ttacttattt atgatcaatt aacgctaagc 60
aattgtcttg tacggggggtt ttctgtgaag cttttaaacg tcttacattg acaattgcat 120
gtattatctg ttggtaccgt aatattaaaa ggtttcttat attagacgtg ccacctaaaa 180
caactcattt attcaatatt aatgatttgg ttaccctcga tacaatttac tcaattatga 240
ccaattaaag gctagcaatt gtctgtctacg gtgttttttg tgaagctttt agacgtctta 300
cattgacaat tgcattgtatc atctgttgct accgcaatat taaaggctctc ttatattaga 360
cgtgccacta aaaacaactc atttattcaa ta 392

<210> 16993
<211> 379
<212> DNA
<213> Glycine max

<400> 16993

atctttacag cttatttttag tatttaccca ctaacctaga attaaaataa cttaatgcc 60

ttaacctaaag gaattaaaaa aaaacttaat ggctgagtgt aactgaaatt gtggcaacca 120

aaagtcaccc ccaacagcca ataagtcagc caccatttgg tctcccaaaa ggctgatgcc 180

taggttgcca attgggccct tattacaact tgaactaaac ctaactaaag cccttttagt 240

tgattaaccc aaaacatatt tttggtcagc caactttaga gggattgggc cattatttag 300

acaaactaaa cactctaaaa ttgaaacaaa gtgggtgcat ttagtcctcc tccatttggg 360

ccatgatata actcacaac 379

<210> 16994

<211> 387

<212> DNA

<213> Glycine max

<400> 16994

tttaaccttg acttggtaga acctcttgcc ggtttgattt gttcccatgc ttgctaaagt 60

gagacaaaag ctggtgcaaa tcaaaactcc gatattctcat ggggtggaatg gatgaatgca 120

tgaaggaatg catataacac agatgtaatc taggaatgcg ggggtccggg gaattcgtcc 180

ccttcttaga cacaatgtct aggggtagca aagtgcccca acgtacgttt ttaagaaggc 240

gacacggacc ctccgttggg ttgtatacag aagggatcaa gacagaaccc atatgcatg 300

cctatgcaaa agacacaatg cggaatgta cacagtatga taatattcac tgaacataag 360

caaaagggta tatgatactt atgcatg 387

<210> 16995

<211> 377

<212> DNA

<213> Glycine max

<400> 16995

ttcttttagaa ttcattttaa agatcgtgta gtttttcatc attctttcat taattataag 60

tcttcgtagt tttgcattga tgttctttta taaacataac cacaacctct cttaggatct 120

taaggtgtta cactttcatt ttgggtaaat aagttagata catcattgcc tttatgctac 180

tgtattttct acttgcaaaa acttgctagg ctatgaatgg aggaacaaat cataggacat 240

aacctttaa attgtgtgta acttttcgtg gtttaagtgt ggtttctcct aatcaacgtt 300
 ttaaattgca gttacagttg tgttttgatc cctgtctcta tttctatctg ataaaaataa 360
 gtaaataaca cataaaa 377

<210> 16996
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16996

ttgaattcat tatatgcacc cttaggggtc cattctttct ttgtatgttg acatcttcat 60
 ctctgtact ttcagtattc tttttcttca ttttaagcga gtttcgaccg atcgtttaag 120
 ctgtaatctc agttaatcaa tgttaaaatg aattttgacc gatcgtttgc gttgtaatct 180
 catttaatca cctttaaaat aaaattcaac cgatcgttta tgctataacc tcggttaatc 240
 atcaaaaagg caagtgtcaa cgggacattt gctttgaaag ttctctttta atgagttgag 300
 aaataaccaa gtgaaactaa ggctaaaatc aatcacaaat caagctctgc ccacaaaagg 360
 tcatttgaac cgtttaaggt ccaaccctta at 392

<210> 16997
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16997

ttctttagg gttaaagtct cacttattgt cacgtgtcga tgcaacaatt gttatccgtg 60
 gctatacgag acatcttgcc aaacaaagtc aagttcacga taactcgctt gtgctttttc 120
 ttccatgcta tatgtagcaa agtgattgat ccagtaatgt ttgatgagct ggaaaatgaa 180
 gccgcaatta tatttgttca gttggagatg tattctcccc ctgctttctt tgacatcatg 240
 attcacttga ttgtgcatct agtcagagaa atcaaagtgt gtggctctgt ttatctacag 300
 tggatgtacc cggttgagcg atacatgaag atcttaaaag ggtatgcaaa gaatctatat 360
 catccgaaag catctat 377

<210> 16998
 <211> 321

<212> DNA
<213> Glycine max

<400> 16998

gaacgaggct gaagaagctg ctgctcatgt tcttcaagat tctgtggaga ataatttatc 60
tcatectcat tcgtcacaag atagagacat ggaattggtg gtaaataattt gtcacaacac 120
agtacttgta tttcaaccta agttgttgca gcaatccatt gttatatatt acaattattc 180
atgttttgga tctgcatgga cggccctgca accgttgctc cagcaataac gctgcataac 240
cttgctataa cgagagccaa gcaaaggacg gttatgacgc agcataaata aaactgaaga 300
cccatctttt gttgcatttt g 321

<210> 16999
<211> 375
<212> DNA
<213> Glycine max

<400> 16999

ttgcatgcat tctttgagcc aaaatcctga ctcaccataa accttgaccc aggggtgagaa 60
tgtcaatcct taccctcgga agcaaaaaa gaatagaggg gaaatttcca atcaaagaaa 120
aagagaagga aaatttccaa tgaaagcaaa aaaagaaaag aaggaaaatt ccccaatcaa 180
agagtgggag aaagcaaaaa gaaaagaaag gaaaattccc aatcaaagaa tgggagaaag 240
taaaaaaagg aagaagaaga aggaaagaaa gtcctgatc aaggatcgaa agaaaacaga 300
agatatgtgc agagaggtct ttggaccgga caatatctga acaatacaga attgccacca 360
aatgaacgaa aaaag 375

<210> 17000
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17000

ntgttagttt ccaccaaaga actaagcttt tcagttttga gtagactctc ttttcaatca 60
tgttcttgta tatgcaaaac tcgaatatga gatgctgggt aatggatctc aacttcgntt 120
cacttgaacc aacataatgt tggttgagat tcatggtttg aatttatctc tagactgaaa 180

aatttaaaaa gaattataaa tataaaatta aaacatctat taattaagat attaaatttt 240
 attgaaaaaa ttaaacaagt tcaggtatac atgaataata tctagaatat taataattgg 300
 ttctattact gtacctttat aataaatagt caaagacatg tccaaacaaa tggtttttat 360
 gacgaataat actactcatt taatccaata ataatatta attac 405

<210> 17001
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 17001

tgcattgtctt caacatctga ccacttccag ggtgctggaa ctacttcaca tggatttgat 60
 ggggcctatg caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga 120
 tttctccaga ttacctggg taaactttat cagagagaaa tcagaaacct ttgaagtatt 180
 caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcattcaaga gaatcacgag 240
 tgaccatggc agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300
 cactcatgag ttctctgcag ccattacacc acaacagaat gggatagttg agaggaaaaa 360
 caggaccttg c 371

<210> 17002
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 17002

taaacattca atttcgaggc tctcgatata ttacggtact taatcaagca tccaagaaaa 60
 aatttattgt cgtttgaatt tgctcagaga ttcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180
 cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240
 aaaagctatt gtcggttgaa tttgctcaga gattcaacat tgaatttcga gggctctcgat 300
 atcttacggg actcaatcag acatccgagt gaataggtat tggcgtttga attggctcag 360

<210> 17003
 <211> 369
 <212> DNA

<213> Glycine max

<400> 17003

ttcttgggaa aattagttat tggcccataa cttgagaagg catatatttac tatttttagaa 60
ctctaagtag taagtataaa tctagggatt gcattctttaa ataattttcc aagttcttgt 120
taaataatttg ttagatggat ctaattaaaa aaaatattag ttcaagaacc tattaataa 180
gtaaactatc aacctgatcc ctgaataatt tgaaattctc aattaggttc ctatacttaa 240
acgaacccta atgaaaatgt tgccaaggat ccaattagaa ataatttaca tgtttagggg 300
tctaaatcta attacagact tttaaaagta caggaactta tctaaaatcc ctaaaatagt 360
tcagaaacc 369

<210> 17004

<211> 576

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17004

acatcgctac acaattatng taactgtaca aaccgngana gtacggatga cangtancnc 60
acaaccacca acgcagagat gatacgagac atcacaacca caaacatata aaaactcaag 120
ccacgcgagg caacgacaag caacaaattg ttcttttcga ctacgacact ccaaccggag 180
aaagagcgaa aaacagaacc gaacgcccgc accgacaatg acgcaaccgg cacgacgcac 240
tccgagaaac cgaccaccaa caaacggcga gcacacacac ggacgcgcgg aaggccggcg 300
gacatcgacc acctcgaaca caccacgcac aagacaaacc gaccacgcgg acgctgaac 360
ggacagacct acgcaagaag cgcgcaacga acacccgcga tgcaacacaa cgcaaacgaa 420
cagcgaacag cgtacagcaa cgcactgcag gagagcacac cgcacacaga acaaaccgcc 480
gcgagagaag acacacacga gacagaaacg ctgcgcccga atagagcggg cggaacggaa 540
acgagtgcta caggcaccaa cgacaacaac tacccg 576

<210> 17005

<211> 370

<212> DNA

<213> Glycine max

<400> 17005

atcttcgata ttgttctaag cactgtcggc ccaaagggag aaagattaag atgaccctca 60
atccattatt cataactcca ttgattatTT ttatttaaga acttttaaaga aatccatttt 120
gtatttttat ttaacaacta caaggaagag aagatgaaga atgcatggat tgcacttttt 180
gtgcaaccac atgttttttt atcaagaaat tcacacagct gttggaaagg aaacgaaaga 240
aattccactt accattattg aaagaactaa tgcagttctg atagtattat aaaagcgaag 300
atcttataag agaatgaaat ccttttggag tgctataata tgggtggtaga attattccta 360
catatgacat 370

<210> 17006
<211> 388
<212> DNA
<213> Glycine max

<400> 17006

tgaagtgaga aagcgtggaa gagtcagtct tccttctttt attcgttgac cacagagtgg 60
tacctggaga tatgtcgca gggtaagag accttgggga cgtcagatgg ggtgctattg 120
cccaaaacca agcttgacca atcccgacc aaccgggaca tagtcagtca gtgagaacct 180
gtgatgtacc taaacaggtg agctcctggc agtcaaccga taaaagaaca aagaccacaa 240
agcacggagg cttgtgtggt ggctggccag ctatggatct tgagtgatat ttggaatatg 300
gcctctggta gtcgattacc aagggtgtgt aatccattac aagggttata aatgaagaca 360
ggaagttaag atggcctcta gtaatcga 388

<210> 17007
<211> 372
<212> DNA
<213> Glycine max

<400> 17007

tgcattcttg ccagagaat gagtccacgg aggaaatgct taccacctca aaagactgga 60
aagcggtttc taatgactcc tctgcggtt ccacataagg catagaggac gggcagctca 120
ccaagaggtc ttctcgcct gacacgatga ccaaatgcc ctccactacg aatttcaact 180
tttggtggag tgtagaggga acaactccca ctgagctgat ccacgggagc cccaacagac 240
agctgtaggg ggggttaata tccattatTT ggaaggtgac ttgacaggtg tgagggccta 300

tttgtactga gagatcgatc tctcccctaa cctctcggcg ggtgcogtca aaggcatgaa 360
ccaccattga ac 372

<210> 17008
<211> 396
<212> DNA
<213> Glycine max

<400> 17008

ttgagccaaa atcttgactc accgtatatc ttgatccggg tgagaatgtc aatccttacc 60
ctcgggaagca aaaaaaagaa gagaaggaaa atttccaatc aaaggaaaaa agagaggaaa 120
ggaaattccc aatcaaagag tgggagaaaag caaatagaaa agaaagaaaa ttcctaatca 180
aagaatggga gaaagaaaaa aagagagaag gagaagaagg aaagaaagct cctgatcaag 240
gatcgaaaga aaacagaaga aatgtgcaga gaggtctttg gaccagacaa tatctgaaca 300
atacggaatt gtcaccaa at gaacaaaaga aagaaaagga aaccataacc taaaagtggg 360
cttctccctt tgattaccaa ccaaaatcct gtgcgt 396

<210> 17009
<211> 348
<212> DNA
<213> Glycine max

<400> 17009

tttcttctta agcctttatg gtcttaaaca gcatatggat gatgattgaa aggagacctc 60
acatgcgagt atataacatg taactctcac caaccatgga tacgactttg ctctactcta 120
gaacgccaag agaagtcac gaatccccta aactacctgg aaatgccctt ggtcgggtta 180
tcaccactca tcatcccaag tgtctttgaa tcgttcaaac cgtctcctag gggacctata 240
ttatatctca tccatcttct cttaacgaat cctcactcat ccttcatgat gaaaagcatc 300
tatectcgaa cgatgggcgt gtcagtacat gggaatagac gctaaaga 348

<210> 17010
<211> 369
<212> DNA
<213> Glycine max

<400> 17010

ctcagcttta aaacaaatgc ttcattatth cctaataatc atgagaattt cgacgcata 60
accagaatca agcccaagtt attgggcaag caatcaatgg ggctaaacac accaaatgat 120
tatgatgatg gatggctcaa attctcacia aggtaaactt atcactttca aaatgagctt 180
tcaaaactat catgacatgt aaatgaaaat caaggaattc aagtcacaac atgccaaaaa 240
cttttatttt caaaacaatt acccatttct tgaacataat ctataattca gagataaaca 300
tgcaaagtcg tacatgcaca caaaattgac ccataatatt aaactaaca tccgacgaaa 360
ctaacaaca 369

<210> 17011
<211> 360
<212> DNA
<213> Glycine max

<400> 17011

ttcttttgtt ccttttttat aaaaagagaa gttctgaaac tcatcacgtt gtctagaaaa 60
gccttgaggt ggatccaagt gctctctgat cattcattag catattcatg ttttggtggc 120
atactacca ctgtttgttt ctttagggaa ctcaccataa ctaaaaaagc gcaaaggcac 180
ccctataaca cccgatccag aagtaagatg gataacgaag agggagtgca agaacagatg 240
aaggccgacc tatcggcctt aaaagatcag atggcttcta tcacggaggc catgctaaaa 300
cttcaaaaaa ctatagaaga taatgctacg gcggccgctt ccaatacaac tagggaagcg 360

<210> 17012
<211> 393
<212> DNA
<213> Glycine max

<400> 17012

tatgctgcaa acatttacia tatatttctt caaccttaac agcaaaacca acctcagcaa 60
aacaattatc acctctccag caatagatac aaccttggat ggaggaatca ccctaattctc 120
agatggtcta gccctcaaca gcaacaacag tagcctgctc cttccttcca aaatgctgct 180
ggcccaagca gaccatacat tcttccacca atccaacaac aacaacagcc ccaaaaaacia 240
ccaacagttg agaccctcc acaaccttcc ctggaagaac ttgtgaggca aatgactatg 300
ccgaacatgc agtttctgca aaagaccaga gcctccattc aaagcttaac caatcagatg 360

ggacaattgg ctaccaatt gaatcaacaa cag

393

<210> 17013
<211> 375
<212> DNA
<213> Glycine max

<400> 17013

agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag actggaaagc 60
ggtttctaata gactcctctg cggcttccac ataaggcata gaggatgggc agctcaccaa 120
gatgtcttcc tcgctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
gtggagtgtt gaggaacaa ctctactga gtggatccac gggcgcccca acagacaact 240
gtagggggtg ttaatatcca ttatttggaa ggtaacttga caggtgtgag ggcctatttg 300
tactgggaga tcgatctctc ccctaacctc tcggcgggtg ccgtcgaagg cacgaaccac 360
cattgaactt ggctt 375

<210> 17014
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17014

tcacttgctt ggggatgcaa tacacttcgg cttcatttgc atcagctatc atgaacgccg 60
taccttctgt aacctttgtg ctagcagtaa ttctcaggtg acattcaatt ttctttttaa 120
agcagaatat atgatacttt aattactaac taaatcccaa gagacaatag caagtaatat 180
tcccaacatc acatgcatgg cttttcattt tgtaaaaagg ttgggggtac cttgtaccct 240
tctaaaatgt tttcattttg gcatgtatgc atgctttttc ttttacgtct aaacatcaca 300
tcctttatct ttcagctcta tttttattat tttttaatta tcttgacact ttttctcagg 360
caagcgctac aaagagaaac tanaattagt aaggaaataa tttatatgta at 412

<210> 17015
<211> 366
<212> DNA
<213> Glycine max

<400> 17015

agctttgaaa attttgggag ttgtgagtgt aactgatgtt acactcactt aagcagtttt 60
cgtgcttctt actaagcgag caactgcgct aagccgacgt ttcagattca aaatcagttt 120
tctttttttt ttttaacaaac aaaagcttgg cttagcgctc agataaaacc gcttagcgag 180
ttatgcaa at caaaaaacct gcaactctcg ctaagtcggg ctctctacca gcttagctaa 240
aatgatgcat ttttaagtaca gaggagcatg cgcttagcgg aaaaggactc gctattttctc 300
acattgccgc aaggaattca gcttagccgc catgactggc gcttagcttc atgaacccca 360
gttctg 366

<210> 17016

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17016

tcttagtttc agatgatgca gatgggttgg tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcacta aactgctggg agttggaagc catcttctca attaaatttc 120
tggcttcagc aggagtcatt gtctccaagg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
ggtagggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cattgagttg cctaatacct gagatatacct tcttgatggc tgtggtccct gaagcagggga 360
aaattnnttt caagaatact ctcttaaggt catccagct cgtgat 406

<210> 17017

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17017

tgtttatgca ttcattataa gctttttgaa agtactttta ttatttaata tactttttga 60
tcagttctag atttttcctt acaagttcta ctactaaaat tgcgatacgc ggtcaactaa 120
accccgaaaa gtaataaaat gatcaaaagc tatttttttg gttaaataaa aatgtccttt 180

gaaaatccaa gttgttattt atttgagttc aacattctaa atgttgtgtg acttacataa 240
 aaatattagc atatcttgag ggactaaatg acaatgagta ttaagtttag gaattatact 300
 gatacagnga ggaatctcat tatttacttt tatggattaa attaacacta tctcacactt 360
 ttacgaaaga atttg 375

<210> 17018
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17018

tggcatagca caaatgtgac gagagattgg tgccttcttt aattatgcca atncttctgc 60
 tacaacgtca gattcttttag catatgagac tttttatata tagctgagca aatacaataa 120
 atagcatagc atattactat tagcataatc aatattgtcc tttaaaagat gcaactctca 180
 ccaatgttca atgataactt ggcaaagtag tttctacatt ctcccgggca ttgatttctt 240
 caataactat ctctttttta caaatggaaa attgtgtgtt atgtagacat caatctttgg 300
 taatgtcatc aaatggaaaa ttgtgtgtta tgaacacatc aatctggact tctgcatac 360
 taatcacaat a 371

<210> 17019
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17019

agtcttcatg atgaatcaac aatgattcaa aggtgttttg atgataacaa tgatgacaac 60
 aaaagatgat gacaaaaagc tcaagagaat caaagaacat ccatctcaag aaaatctaga 120
 acaagtcaaa gagttcaaga atcaagaaga attcaagact caagaagaaa gtctacaaac 180
 aagaatcaag attcaagatc tcaagaatca agatcaagat tctagactca agattcaaga 240
 atgaagaaaa gactcaatca agataagtat taaaaagttt ttcaaaactt tgaatagcac 300
 atgagttttt gacaaaacct ttaccaaaga gtttttactc tctggtaatc gtttaccata 360
 ttgttgtaat cgattaccag tag 383

<210> 17020
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 17020

tgaatcagac ctcaagtgtga aaagttatga ccattttaat tttacgagag cttacgttgt 60
 tcaatttcta gcatctcgac atattatgcg cccgaatcgg acatccgtgt gaaatgttat 120
 gaccatttga atttctcgag agctatcgat gtttaatttc gagcgtatcg atttattgta 180
 agcctgaacc ggacatccga gtgaaaattt atgaccattt gaatttcacg agagcttccg 240
 ttgatcaatt tcgagtgtca ctatatggga tgcgccccag ttagacattc gagttaaatg 300
 ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttctgagcgt ctcgttatgt 360
 gatttgcttt gatcgtaaac tccggtgaaa agttatga 398

<210> 17021
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 17021

atctttgctc aagatggagg aacatattca tactttgagg agaaacaaga aagaattcaa 60
 gagaaatact attgagtga acacaatgct tattgagttt atcctttgct tggtaaagtt 120
 tttggaccga gtcttacatc attgtaaaca cactccttga gtgttagaat ttgtggttct 180
 tcaaactggt tgtttttgaa agccaggagt ggttttagtga caaaataata cttctttggt 240
 cttaaattta aggggagtct gaggggttggt ctagtaatgg cctagatgat acttgtaaaa 300
 ccaaaagtgt catgttagaa tacttggtgt aatcaaagt tgattagcgc aagcc 355

<210> 17022
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 17022

tcagtgccaa gattccaaca acagtcattg tggatatgta tttgtgtgtg cctaattaaa 60
 gtaattatct ttagagatct aatcataata tttatctata ttgtgcctaa ttaaagcaat 120
 tatctttagg gatctaata taatatatat atttttagt gtgcctaatt aaattaacta 180

tctttacgag tctataaata agatgttgga gtctataact aatgacattt gaaatccact 240
acctatttta tgtttttaaa gctttgagac tgtttcgggt gtttctgatg catggacaac 300
actatgagga cagatcataa tcatcgttcc ttcactactg gtatgtctat gctaatttct 360
tctaagcttt gtagtttgac tttgaccatg a 391

<210> 17023
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17023

tgagcgcntg tgatgccttt gatacatgga ctaccttagc tggttcccgg tgattcccca 60
gagttcacca gagagcacgc gcttgctggc cattcttcgt gcgctgccgt gcaatggctc 120
ccaccatccc agacacaaat ccctgttata actacctatt gtgcagctct ttccattatc 180
gaatgtacga actgtcaaat caccgatatg tctttctctt ccgatccgaa gaccagatgc 240
tctttcacag taaccttcgt actttgtcgc tgtttacatg gaacaattcc tattgagttg 300
agccgatgcc catcaactgc ccatgtcgcg gcacctaaact ccattctcga atgccattga 360
cacagatatg tctatttccc tccgaaagga atcttgctac cctctcgtag ggactcatac 420
cgttcaccca cttaagccg tc 442

<210> 17024
<211> 401
<212> DNA
<213> Glycine max

<400> 17024

ttcctacaat aatggtcctt tcttattgca ttttttatgg agagaaagtg gcatcaaaga 60
ggttggtgct gatgttggtc tctgagttga aagtatgcaa ctgatgatgg aagttgcggc 120
ttgttgaaaga tgatatggta gtaaccatac ttgaaggaaa tcaaagttgt tggtaaaaaac 180
caataagaga atatagaacc taattggaga tagatagggtt aatagaatag gcaagaagaa 240
caaattatac gcaaaatgaa aatgaaggga aagaacaaca catatatagg atcaataaaa 300
caactgatga ttatgtgaaa gttgatcata aaaagggtt gacatatatg cagcatttcc 360

ctaagtgctt gttgaggatc aaagttgagt gaaaaaaaaa c

401

<210> 17025
<211> 363
<212> DNA
<213> Glycine max

<400> 17025

tttgtcgcat taatgtgcac ggcgcgatgg attgaactgg gacttggaac aggaacattc 60
gcttatcctg cgttgatcaa tacgaatccc tctgctaatag cacagaataa taaatgtggc 120
aaacaccgag tctgtgtgg caatcctaca acgatctgct acactattcc gccagttct 180
ccatgcccaa gtctaactct attcttgtca ttacctccca cgcatatcga caagagtctc 240
ccaacattcc cagagacact gcctgaatat accacaatac actactgatg tccatccacg 300
tacctatctc catctgcaaa tgaactctcc ttaactaccc tgggtaatgg acccgacgac 360
cac 363

<210> 17026
<211> 286
<212> DNA
<213> Glycine max

<400> 17026

caccatacag acctttggcc ttccaatgca caacctggag caattgaaca gcccgaaact 60
tatgtgcaa acatttaca tatacctcct caacctcagc agcaaaatca accaccatag 120
aacaattatg acctctccag caacagatac aacctggat ggaagaatca ccctaattctc 180
agatggctta acctcagca acaacaaca cagcctggct cttccttaca aaaggtgttg 240
gcccaagcag accatacatt cctccaccaa tccaacaaca gcaata 286

<210> 17027
<211> 317
<212> DNA
<213> Glycine max

<400> 17027

ggtcattggc atgatctgat acccctggac cggacagtgg cacgcagaag ctttttgatt 60
ttccattttc aggggttgggt gtcaccgagc tctgccatga gcgctgctac ggaaccacga 120

cattcgtttt agattcaaca gcaagatgaa gaacaaagat ctgacgcgga gaaaccgcct 180
 cggaactgat tggatctcaa ttctgacaga tctgatcgat tcaacgagat gatccttcag 240
 atgtacagct tcgacttgaa gcccagagtct tacgaccttc ccaaggttat tctggactga 300
 ctacgcgttcg aacatgc 317

<210> 17028
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17028

gcgaagacaa accccaaagc caagcctgag aaagtggagg agttaaacc cccacaanca 60
 ggagattgag cgagactgaa acccacaana caagagcgac acaaccccg cacaacggcg 120
 acttaacttt caccacacca aaaaggga gggacagcca aaaaacacac cacaacagaa 180
 gagacgcgga acacaacgaa aaggccacga acaaccgacg cacagcaaaa ccgaacaaaa 240
 gcaacggcag gcccgaacaa gacagccgcc aaaaacaaaa acagcggacg agacagacag 300
 acgaaaacaa gcaaccacac aaggaacaaa gcgacaaagc aaccacgaa ggccacgaca 360
 acaaaaacaa caacaaacgc cgaccacaac cgaccaacac aaacccccg aaacaaaccc 420
 caaaaacaaa acc 433

<210> 17029
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 17029

atcttgccac ccatctcgcc caggagagct aggttgcttg ctctagaatg caccaccttc 60
 tggaggaact tctgaaaag cccacgtacg cctggttgct atttgacca ccctgtttac 120
 tagatacacc ccctgctttt ttttgctgat tcattttccg caacgctacg aaactttacg 180
 aatatcacia cgagactcgt tttctttccg ctatgctacg gatccttacg aattacgtaa 240
 tcatccattt ttttggtttt cagaatgta tggaaacttca caaatgtgc attaacttg 300
 tcttttgact ttcagcatgt cacataactt tacaattgt gcaacaatgc tttcttt 357

<210> 17030
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 17030

tgaccttggt ttagacatga ttgatacatg atttgtgact tgtaggattt gatttgggca 60
 agattggatg aggggaagtg tggttttcga aatctgcatt ttgtgcagat ttttgctgtg 120
 aaattgtgca gcaggatttt gcataagtgc agcaaaatac tagacatttg ctggttgtgg 180
 aaagagcagt gcagaatgag ttctggatgt ttgctagtag atcccaacgg tcaaaatgta 240
 agcttatgta ctagagactt ccagtaaaaa tttggagtcg atccaacggt taacgaattg 300
 taacgaacga attgttactg gggctctttaa gtgagaaaag ctgtgatttt ggttgggtgtt 360
 ttggcaaaga tttctgcctt tgctctgttt c 391

<210> 17031
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 17031

ttcttgtttt gtttgcaata tttatgttgt gtttagattg atctctataa agaataaagt 60
 ttggaccaat tggaaatagg catgactgag atcacattgt atgtaatttt catgttgctt 120
 atccatattg acctatgtca ttgagtgtac tgatgtggta gtcattgggg tctagttaca 180
 tttgtttag tgacaaagac acaatgattc cattattgca tgagatggac caggttggtta 240
 aggtggaagt ttaaagggtta atagcataca gatgcgcgct taaggatttt tgataaaaact 300
 attataatat gtagcccaag tgggagattg ttggaatttt ctattccaat aattaatgtg 360
 ggcta 365

<210> 17032
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 17032

ctataaaaact aagcttccta gaatcttaaa ggtcctgctg tgctgaccat ttctgttggt 60
 aggtagcaag agcctatatg ctgacttatt agagtagatc ccagtagggg ctgctttcca 120

caacattgag tcctgcagct gctgatgaat agatatagca gatatatcgt ccatgaaggc 180
tattgcttgc tcattcttgc gataaaaaaa gttccttctc cattttaaact cccaattcca 240
agtattctga taaaactttc ccattttata acatgggaag gttttgctgt ctgctaataca 300
caaat 305

<210> 17033
<211> 355
<212> DNA
<213> Glycine max

<400> 17033

atcttcggaa gaaagtgatg aggtataagc cctaaaggca gagcttgaaa gagcccggt 60
agtcgaagag aagttcaagt ccatagccat caaagtctga aaaagtatga tgaactaagg 120
gacgtcaata tggccaccgc tgaagccttg gaacgagaaa ccaagaaggc ccgaaaggaa 180
gaacacgacc aaagcaaagt tttgaggggc tttatagggc agcaatagtg agtcaagct 240
ccgaagaggt gaaaggaatc atcatgggtc aaaggcatga tctttaagga cgagctaaaa 300
gcttgccctca ggtcgaaaag aaatttgtcc caacagttaa gcgagactga aggga 355

<210> 17034
<211> 400
<212> DNA
<213> Glycine max

<400> 17034

tcatttctgg tccataggaa gacaaactat atcctgtagt ttaaggacac tttcaacttt 60
ttacttgta tgttcatacc acatttaact cataatatca ttaacattca acaggaatca 120
ctgagaactt tgaagcattg ttcctttcct aatgtatctc tggaaggcct aatatctgac 180
caatggaaag atatgggatg gcaaagacct aatccatcga atgactttta gtacacaaat 240
atgttcttat gagagctcac gtgacatttt ggtcactttt cctatgtgaa agaatttgct 300
tattaaatgt tatgaaaaca gtgtcatttt agtgctgcta acggttatgg tagcgtatac 360
aattcactaa ttttaatttat gggatataat taaaccaa 400

<210> 17035
<211> 359

<212> DNA
<213> Glycine max

<400> 17035

agcttgtagg gttaaagtct cactgattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca gggttcacgat aactcgcttg tgctttttct 120
tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180
ccgcaattat attgtgtcag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaagtgtt tggctcctgtt tatctacggt 300
ggatgtaccc gggtgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatat 359

<210> 17036
<211> 391
<212> DNA
<213> Glycine max

<400> 17036

ttgaatgagg ctgaagaagc tgctgctcat gttctacaag attcggtgga gattaattta 60
tctcagcttc atttgtcaca agatagtgac atggagttga tggtaaataat ttgtcacaac 120
aaagtagttt tatttcaacc taatttggtt cagcactcca tttttatata ttacaattat 180
tcatgttttg catttgcatt taggtccctg caacaattgt tccaccaata gcaaggaata 240
agctaaccat aacaagagcc aaacaaagga aggttatgat gcagtataaa gaaaactgaa 300
gacccatttt ttgttgcatt ttgaagggtt ctgagtttga aggttgctga tgaagaaaac 360
tgaagaagca ttttttggtt cattttgata t 391

<210> 17037
<211> 375
<212> DNA
<213> Glycine max

<400> 17037

atcttgcaga cctaacatta tctatgtatg ataagcaaaa cacatctcaa cacatgataa 60
taataactag cactatatta ttcttttaat tatagctcaa attcaaattg ttgtgatttt 120
gtatttgaag atactctcca caaaatatat taaatcgcat atataaataa tgggtgttgac 180
aagaactact aatacgtccc atgacccccc cccttatcta cttattccat attgacacat 240

atgcataatt aatattaagc tataaactta taaaaaacia atttttatgt tggcaaaaaa 300
atgtcaatat taacaattat ctatcactag acaataaata aattcgacta acaaaattta 360
aatatttaaa taaaa 375

<210> 17038
<211> 405
<212> DNA
<213> Glycine max

<400> 17038

tcttatcaaa ttatatgac atatgttacc aatgctttat tattttattg tcaatgtaaa 60
catattgcac attgtaatgt tggagaagaa aaagacaatt ctgtaacatg tggagtgtat 120
attctgagca caaattggcc ctttgctaaa tgttaaaccg aagcaaaatc accatgattg 180
aacaacagat gtaatttcac aaattaactc ctgagtgcac caaactgcca tacgttggct 240
ccaaactcat aaattaacta tttgtctgtc aggagcaaat ttattcttag ctacctattt 300
acccttggtg atatcatgac taacatactg gcttttggtc ttgaattagc atccacataa 360
taaagccgga acaaagaaca taattagaac acccattttc ttctt 405

<210> 17039
<211> 372
<212> DNA
<213> Glycine max

<400> 17039

ttcttataca tttatgattc tccctatgct tgaagttcat tttagaagtc taaaataaag 60
ttgacttttt gtctagatct actataactt gtgggtttta tcaagattat gaccaaccta 120
tttttaactc atccgatgaa atgtaggact tgacatttaa attttgagca catattaaat 180
ttgagcctca attttatagt agtatatatt aaatttgatc actttaacta ttccattaaa 240
tcatgcaata ttgttctaata aaccatatat caaatttaac attattttaa caataatata 300
tatatatata tatatatcaa ataaattact tatattttat ataacattaa atattttaa 360
aaataatgct at 372

<210> 17040
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17040

ttaaaatttg aattaaaacg ttcagaaaca gccggtaatc gttttctata tatgtgcaan 60
cgagtacaca gtgcaaactt tgaattcaaa ttttaatagc tgctgtaaat cagttttggc 120
cactggtaat cgattaccag agagttaaatt tgttgaaaaa aactttttta cttaaaattc 180
ttggccaaac cttttgctac ttcaattgga attcccttcc tatttaatat accctctcta 240
agactctaca gactgggttg atcattcatc ttgaatatct cttaattctt tgtattgaat 300
agagctttga gactttgaga cgcattgtgaa actttggcat catccaaaca ttcagcttga 360
tcctttgtct acaatctctc cctctttgat gatgacaatc cctgaa 406

<210> 17041
<211> 380
<212> DNA
<213> Glycine max

<400> 17041

atctttataa gctcaggttt gggagacgaa ggtcaagtgg tcgcatata cgaagatgat 60
gttccaagta cattggattt ggtacgacca tgccctctg atttctagct gggaaattgg 120
cgagtggagg aatgccccgg catttacgca acgagcataa tgtaaaccct tacggtttta 180
aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgtgtctt 240
ttgtttttga atttataata caaggatctt tcttcatctg ttctacgct tctaccatt 300
ctcattcatt tgcattgtga cttctttatt tctgaaacga cagatctgat gacgagtcct 360
ccgaaggtac taatacctgg 380

<210> 17042
<211> 399
<212> DNA
<213> Glycine max

<400> 17042

tcaaggctaa gtcttcatgt tgcttctct atctctaaca atagcctcaa ccatcaacaa 60
caacataatt ccatcaccat ttgtcatcag gattcatatg atcatacctc acataagcca 120

tagctgatgt caactatcat ggattctcat catacataat tataacaagt gacacacatt 180
gacaaccaac taaaccagtt atcactacta catacaccaa tagccaacta ggccacccca 240
aactcagatg tcaacactaa ctctactcca tggagtttca acacaatatg agtggttcct 300
tatgatccct aatagaataa cttttgtgat attttgtatg agtttttatg ccattttaca 360
tgcagtttct tggcacaacc cacgtttgga gactaattt 399

<210> 17043
<211> 375
<212> DNA
<213> Glycine max

<400> 17043

ttcttgaat ctttcacaca tatactgtaa tcgattacca gagtagattt tcagaaaata 60
ttctcaacag tcacatcttt ttatgtgatt cttgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaaagtct tatectctta 180
taaagcaaaa ttgttttatt ctcttataaa ttcttggcc aaattacttg tgattcaata 240
aggaattttt gagtgtcaa attgatcaat ctatctcttt caagagagat ttcttctttt 300
cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttggtgt gaaagaattc 360
taaagacaac ggaag 375

<210> 17044
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17044

ctcagcttct ccgaagctta ttaaaggctt tagccatttc agtttcttct gaaagacca 60
cggtcagatc atggaaaagt gtttgtgaag ttgcagacca aattttggaa gatccaacgg 120
ttaatgaagg ccgggcagcg ttcttatcga ggcagcttca tgtagcttct tctagaagct 180
tcctcgtygc ttctttgaga agctttctca agaggcttct ttgagaagct acattcttat 240
ctatccacco ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 300
gccacaaata atcaaacatt anacataatt actaataata tatagatatt tatatcaggg 360
tgttatagta gtggtcccag tatg 384

<210> 17045
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17045

tttttaaatcc tattttttcta acaaataagcc ttcacaaagt gtgccgaatc cgatcaatgt 60
 gagtgccatc accttgatgc atggcaacca aatgcatgtg cctacacaca ctagcaacat 120
 ctgcactgga acctgtcaac cttgattcta cacctgaaca ataggatgac ttaattgcac 180
 tatagatata gctgcctatc ataaattttc atgcaggtag accttattat agtaattcca 240
 actaacatca ccttgctatc cctctctcat tcccacctat aacaattccc aacaaaaaga 300
 tggaacatgc gtataaggac atcttggaga ccttcaaaat tgcagaggag atcatacctc 360
 tgctagatgc catc 374

<210> 17046
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17046

ttacataaga ttntagtaat gaccactaa cctataatta atataactta atgtcattaa 60
 cctaggggaat taaaagaact taatggctga gtgtaactga aaatgtggca accaaaggtc 120
 accccaaca gccacaagt ctgccaccat ttggtctccc aaaaggctga tgcctagggtt 180
 gccaatggg cccttattac aacttgaact aaacctaact aaagcccttt tagttgatta 240
 acccaaaaca tatttttggg caccctaact tacaaggatt gggccattat ttagataaac 300
 taaacactct aagattgaga caaagtggg ccatthaatc ctactccatc tggggccatga 360
 tacaactcac aaccttggac ttt 383

<210> 17047
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 17047

27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859.

<400> 17048

<400> 17049

7150

<210> 17050
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17050

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 aaaatgggga atatcctccc tccaacctg gtggagctac cagaaacttg gttagctgaa 120
 ttaaaactat gtttcgtccc atcaacatct ctaagaaatt caggctcctt agtggttaacc 180
 actgagtcca tcaagttgcc gctgaacccc aaatcagaat acaccctcaa ggcacccctag 240
 atatgaaaat agatactact agatatagta gtggcagaac attaaaaaaaa ctgatatatt 300
 tgataatatc acaataaagc acccatatat atgttcatat cctctactgt caaatcagac 360
 aaagaactca tatgact 377

<210> 17051
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 17051

ttcttcaagt tgcgtggaca acaacttata ttggggccagc aatgcatctt gagatcaaag 60
 ctctaataka ctatatttgg caggaatatg aactctatca tgcataattg tgtgggtcact 120
 ggcaaccata ttttcaattg agtccatggc ttcttcaagt gtcttcaccg gcataaccca 180
 attttgaaga tgcctaacta tataagctct gaaaaagcta cagtgggagt gttctgtaac 240
 aagctataga atcgtttctta tgcctcagtc aaagattcat ctagaaactg atggaatgaa 300
 taaatta 307

<210> 17052
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17052

tgacccttac gagatagatg ggacgatttt tatattaact tggagaaacc ttccatgaat 60
 ctctggtaat atcctgctag gcccaaaaaa ctgctaaatt caaaaacaga ctttaagactc 120

tcgcactcga gaatgacttc tatcttagag gagatacagc tatacccctt gagatatcac 180
 atgccctagg aagctaactt tctctaacca aagctcacac tcggacaact tagcatagat 240
 tattcattcg tatgggtatg cagcacaac ctaaagagct cttcatgttc ctcttttagcc 300
 ctggaatata ccacaatatg ttctatgaat actaccacaa aactaacgag gtaaggggtga 360
 aagactctat acatg 375

<210> 17053
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 17053

accgcctgg cgaccacgac ggcgagaaag ttgtgatccc accacagaaa actgaacttt 60
 gagcctgatg accctgcaaa ccacgggaac aggaccgcga aggaaccgt aagagacatt 120
 tggcaaakat tctaggagag gaaccggacg gagccaccaa accggaacag cacatgcagc 180
 atcgagtcgg acccagggca ggggccaag aagcagacaa cacctacaat tccggcctaa 240
 caaacaagat agaagaacga gcagacaaca acaggtagcg aagcaccagg atatagccca 300
 aaagatccat acgcacgccc gcggaccaac gcgaggcact acccgaccg acttacagcc 360
 catagagaag caccacaacc tcaaaaaaga cggaaaacca ggcggcagca aaaaaccggg 420
 gcccaaggcc aaacaaaaa agcggggcca caaggaagac ccccaaacac acaagctga 479

<210> 17054
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 17054

taggaagtat caatagaggt tgaacccttt taagttctct attgggggtca aaccaggga 60
 atagcgaggt ttcacgtca gccacatagg gataaaagtg gacccgaaa agacgaaggt 120
 catccttgag atgccggaac ccatacaca gaggaagat cgaggttccc tgggacaaat 180
 gacatatatt gccacatcca taccacaact cactgctatt tgtgagcgt cgtacaaact 240
 attacgcata caccaaactg tacgctggaa cgaggatgca aagacgcata tggaaagatc 300
 aaaaagtgtg ccatgaatcc tcctgtgctt atgccaccgg aaactcgaaa gc 352

<210> 17055
 <211> 140
 <212> DNA
 <213> Glycine max

<400> 17055

aagtgtcttt acgcatatgg cggtatacac accacatagg ggactcttcg cacaacacgc 60
 atgaggcgct aaataagcag ccccgaaacc gacaagaacg gtgagcgaaa cccggcgagc 120
 agaaagaaac tcaccgacac 140

<210> 17056
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 17056

tttgcattgt ttctttatag atcatatgat ctacacagaga gaaattaaaa aaaatgagag 60
 ttgtgtataa aaaatatgaa tgtccatgta tcatcactct aaatcttttg taataacaca 120
 aaattaattc cttttattcg ataaataaaa ttgatgaac tattccagaa ttttttatta 180
 catctctaaa ttatttattt tttagtttgg tatctgaatt tgtacttatt ttttttaatt 240
 aagctcatgc cacacttaat taaaataaat aaatacaggt tcaggatcct attaaataaa 300
 caatttaata atctaattaa taaaataaat agtttacgga cttaaaaact attaatatat 360
 gca 363

<210> 17057
 <211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17057

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 agacattnan nctnntccnn ncnccaaga gacgggggtg anatagaaga tcgctagnac 120
 attncgcca annncnnnn nnanannnn nnananacan anagcccggc ggccngcgga 180
 cacaacagcg cacacacgca cgtgggtggg ctctcacgca acacagatgc cgagagccga 240
 tcggggagggc aaggtcaccc cacgaaacaa tacaaccat agaccgaaaa gaggccaggg 300

ccccacaccc gatcagggag cgcgcaaaca cgaccacccg cgccaccaga aaaaaaaca 360
 gaggctacca agccaccgac ggacaccacc gacccgaaga acaacgggga ggaaacgcgc 420
 cccaagaaaa aagaagcagc cgcaacacaa ccccccaag gggagaaaca catccccccg 480
 gagggcgaga aggaacacaa agacacggca aagcagggga caagacccaa cccacgccac 540
 agagaagacc ccccg 555

<210> 17058
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 17058

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 ctacagcaag caataaaaac aaagtatata actatatatt ctctaaaaca acaaaaatca 120
 caacaaatcc agcatcatca agttcacata tcacaaattc aatacccaaa ttctttgttc 180
 aggctgttcg cggccgcagt cgtggccttc ccgccaccgt atttcgccac aaaatcatcc 240
 ttcgcacgct ccagaaaagc cacaggcacc tgtctcccaa tcgattcatc cgcaacaaca 300
 caataagcta aaaaaaagtg agtcagacat tcatttccaa aaacataacg ctgaacttca 360
 a 361

<210> 17059
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17059

tccatgactt tcaactttctc tcaattatca ttntctatta gctagacca aacaatcggg 60
 gcctacatga gtaccctgag gtacaattgt aatcctcatt atcatcttcc atttgcaaca 120
 gcaaaaattg tctattagga catttatgat taaaagagaa tttctcatac aaaaataaca 180
 caatcctttt tcccttctca actgcatttc agcaggagta atctttttta cattcgagga 240
 ccgaattgga gggcctgatg gagtaggtaa aagcgaaagt aaactggatt taatttgcgt 300
 ttttggttga gcattaatag agattggggg agaagaaatc tggaatatt tgtgactata 360

ggaaatttga aatggcttat aaacatgacc a

391

<210> 17060
<211> 373
<212> DNA
<213> Glycine max

<400> 17060

ttcttcattc ttagaatgaa gttagtagag atacatatat cgtgaataat catctataaa 60
ggttatgaag tatttcggac tatttgcac catgtctgga caacatatgt ctgtatgtat 120
gattttctaat aaattagaac tcctctttgc acccttttta gacttggttag ttgcttacc 180
cttaatgcaa tctacacaag tctcaaaatc agcgaaatcc aaagtactaa gtactccttc 240
atttactaat cgcttgattc tttcaataga gatatgtcct aatctccggt gccacaacat 300
agaggattct tcattcaciaa tacatcggtt ttaacccaac agaaacatgc atagaagtag 360
catcatTTTT gaa 373

<210> 17061
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17061

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gtgaatgaac tgaaacttcc caaacaacan ancaccaaga aaagagggcc cggaacatca 120
acactttcaa tgggagtctc accggcgaac ggccaacccg aaaggggagg ggcacccgcc 180
accaggcaac accggagcga gaataacaaa aggagagga acaaaacccc cggaagcccc 240
cccgaaggcg cgcgtttaac acaaccacia aaaaaagagc cggcaataac atggggatac 300
cgggcgaagc cagcccccca aataagcccg cacatagcat ggccaaacia gatgaaaaca 360
aaaccaaca ccgccaagcc caaagaaaaa acacactccc cagaacggga gaaatccaag 420
ggtcacaggc gcaacgacac gggacgcgcg acccccttaa aaaacagaag agccccccc 479

<210> 17062
<211> 378
<212> DNA
<213> Glycine max

<400> 17062

ttttttatca tgttcacgac aaaggactaa agaagaaatc tccgtcttat gaccactaca 60
aatcaagtcc tccttgcccta acacatgata aagccttgag cacaacaggc acggaatttg 120
caatttgag taaccagcaa actttgctat aacataagaa aaaacggcat cgataaacag 180
gaaaaagatc agcaaccatt cgagaaaagc cgatgccaag gccgtggtaa caccggggga 240
gagcttacgc cactcagaag atgaaattcc agtggtagcc atcatccaac caactcaatt 300
agcttcgaaa ggagaaaccg attgctgaaa gttgaaacag atcaaactat gaccttcttc 360
ccaaaatgat atgaataa 378

<210> 17063

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17063

agaattatga actagacttc aggacctata aaactcaact gctactgttt ttatccttat 60
gtcgcaattt atgtttctan aaatataact tcaccactag aaacgacata aattgctttt 120
acataaagc cttggcaact caaatgatca aattccttaa tgtgaaaagg ggaacaaact 180
tttctatcta tagaatctta aaggaaatac ggatttacia tattcaagcc taactataac 240
cctgaaatac tttccacctt ttatcaaagc tgcttttagac cgactatgaa cacaactctc 300
taacaaagtc cggaagggtg ccaattgtca tcgagttaat gttcaacaat ttgtggatta 360
tactcttaca tgcattgatta tgcattacat gactatgtgg acatgcagn 409

<210> 17064

<211> 382

<212> DNA

<213> Glycine max

<400> 17064

agcttatcag attaacattt tttttcaaaa tgcaacaatg agaaaagaaa gcacaaagag 60
gaaattcaca gaaccaaag agattaacat caattcacat tttgtttcta aagaatataa 120
gagaaaacac ccgattcact caggcagagg aaaacctctc aaaggtgcat aattctcatg 180

caggcaattg ttccatcaca attccaatca ctgatatgtc ataaatcaat ttttgcaagt 240
catttcccat caaatcaaag ataaattgca taatcatcat ggatcattag ggcttttagg 300
atttggaacta gctttgaaag aaatattggt ttttctggat attcaaaaat accttgagaa 360
taggaaagca acataaaaac aa 382

<210> 17065
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17065

tgaatctaan aagttgttca gcaatcttca tgcccatctt ggaccttagg tcgatgttgt 60
tgaacctact agttaaagtc atttcccaac ctcaacccat cattgaagat gcactcacia 120
caatgaacaa ttccagcact cctcatgaaa taactccctt gactgcctct gctccaatag 180
gtgtgtctaa agagagaata caagaatfff tgtgtaacga tctacctcgt cgctacgata 240
tcattactct aaaccgcata aatttcaatt ttaaatgaaa acttcattaa tttgcttatg 300
aaaaaagaga gttaaacttt tgcaatatac attcaccaga caaacgcacg aatacttaaa 360
tgaatntata tgtatataga tacattaact cagtacacat ca 402

<210> 17066
<211> 378
<212> DNA
<213> Glycine max

<400> 17066

ttcttgacca tttttgaccc aaccgaggca tagtcgggtca gtgagaacct gtgatgcagg 60
cgagctcctg gcagtcaaca gataaaagga aaacaagacc acaaagcaag gaggcttgtg 120
gtggctggcc agctgtgaat tttgtgtaat atgtggattg tggcctctgg taatcgatta 180
ccaagggtgg gtaatcgatt acaaggctta aaattgagga cgggaggcta agatggtctc 240
tggtaatcga ttaccaaggg gtgtaatcga ttaccaggct tgaaaacgaa gtcaggaaac 300
ttagggagtc tctggtaatc gattaccagc ctgtgtaatc gattacacag aggaatgggt 360
cactggtaat cgattacc 378

<210> 17067
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17067

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 atatcgacat tnttttcata aagtctatat atttacttta actataaaat atatcacaca 120
 tattaccaat gttttgttga ggaagctcat tgattatgcc aatggttcat cttaccagg 180
 tctctgattt tggattgggt aagttgacca atgatactaa tacacatgtc tctactcgtg 240
 tcatgggaac attcgggtaa tttcgccacc ccatggttta atacctacgt agaaactata 300
 aagaaattga taaaaatggg aattaatagt ttaaatttgc atgtctaaac aggtatcttg 360
 cccagaata,ctcatcaagt ggaacattga cagagaaatc tgacgttttc tcattt 416

<210> 17068
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 17068

tttcttcaac ctcttattac tgcgtacttc tatattttgc tcacgtttga aaggctacta 60
 atctttgaag gtgctctatt ttttgtcaga agactttgcc ttattgcaag ctcaatattc 120
 tccaattctt atcatcaata atattaacat aagagtagta attaatcgtg tcattacagg 180
 caagatagtt taatttattt gagaagtctt ttgatagatt tctgcataaa agtttcaaaa 240
 ttcaaatcca ttcagcgatg aaatatatac tttattcata tgtaaaaccc ggcagcagat 300
 caacacctta gctggtttta taccttcgca atgaaattca aaggacaacc ttgtactctt 360
 ttttacgggt actatt 376

<210> 17069
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17069

tgtcagaggt cattctatgc ttgaaacttt atattttatt tctttttggn agcaaataca 60

tttaccaatg gaaaatatta cggatattgc gttttttgca ttcttatggg ggtattcatg 120
atgcacacct tccaggagtc aatagttgca gccgggtgctg gattagcctt agttgactca 180
gtggtgatct cttaacctgg catgtgcac tcttggtaat aatctgtgtg cgtgtttcgg 240
cgaggggtaa gtgagtggat atggatatgt acatatctac ttcttctggg gacttcatac 300
tggaaaggac tatttgtgtg tgcgtacctt ttttgtatct ttaaacttgc gttcgctaga 360
gggggttaag gagac 375

<210> 17070
<211> 268
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17070

tttgcattag acattttgcc ctacacatagt tctttcgacg ggaaggggtg cggaggggagc 60
ctcaactact ttgttagttt catggggcct gttcgctggt tgttggattt ggtggagcga 120
atgtantggg ctactctggg ccatgtagca ttttggaagg aaggagtaag ttgctgttgt 180
tggtgatggc tagaccatct gagattatgg tgattcctcc atctgggatt gtatctattg 240
ctggagaggt cataattgct atgctatg 268

<210> 17071
<211> 99
<212> DNA
<213> Glycine max
<400> 17071

aaaccatgcc ttgagctccc aacttgaacg gttaaggcct tccctacttg aaaaccgaa 60
tgccaactct tatagctgcc ataaatttga atctgccgt 99

<210> 17072
<211> 367
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17072

ttcttgcaag atggaagcaa agaaatctat caatgggggg tagaataacc ctcattaatt 60

cagtcttaac agccttacct atctatttgc tgtccttctt caagatacct aaacatgtgg 120
 tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180
 agatcccttg gggaggcgcc atttgacat gaatcactct tgaggcaaaa atcaaggatc 240
 aaatggctca nggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300
 agacattata atgcaattca aggaatattc attgaaagta tatgggttca gcaacaaaaa 360
 ttggtta 367

<210> 17073
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 17073

tgttgacacg cggagattta cgtcatcttt cgcgcacaca agatctgtca tactgacatt 60
 tgagtcacgc tgacggggcg aaatacccga gtgggttatcc gtataaacat tcttttgctg 120
 tctgtaagac aaaaagcctg atagcacgca gagactaacg tcgtcttctg catccttcgt 180
 caatcgggc cgacaagccc gttggcacgc ggagatttac gtcattctcc gcgctcacia 240
 gatctgtcat actgacattt gagtcacgct gacggacgga aatacccgag tggttatccg 300
 tataaacatt ctttttgcta tctgtaagat gaaaagcctg atagcatgca gagactgaca 360
 tc 362

<210> 17074
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 17074

atcttagtct tgatgttact ccccatatct ctaacaatct ctcccccttt ggctttgatg 60
 gtgccaaact tgaattgcct tttgagtga tttggagatt cttgagagta gagacttttt 120
 ttaaaaaaac ctgaaagttt ataactacta agagaagtgt caaatcacat cttcatcatt 180
 aagtacagtt gtatacggat gtatgtatac aatgcattac ttctctctaa tgcaatgttt 240
 ctcccccttt ttccattata tagccaaaaa gtcacaacta ctgatagagt atacaaaaaa 300
 aaatatgatg tgaataggga aaaatgatca ttacaattaa ttcataaaga acattacgac 360

tattat

366

<210> 17075
<211> 359
<212> DNA
<213> Glycine max

<400> 17075

tccatcaagt ggtaatcata gcacaagatc ttcatatatc tacggttggtg tgtttaactc 60
tttcgtgttt tatgtttaat tgctagtatt gtgttagtat gtgtgttcgc gttgcttaat 120
ctcttgatat tttgcttagc gagtgttctg tttcagtttt cctattgagc gctttcccta 180
tttcagtatt gcgtgttctc tgtgaatagc gttttgcgac ggacttatcg accatttcta 240
cttgcgcaa accatagtaa tagtaaaaat cccttaccga ctgattttat cgaccacca 300
tgctgaatta tttgtgactt tttgcttact acctaggggtt gttatttctg gctgaattt 359

<210> 17076
<211> 367
<212> DNA
<213> Glycine max

<400> 17076

atcttggtgcg aatttttcac tcccacattt tatctctagc atgcattgga tgttggtctc 60
gtcctttgtc acgggaagcc ggaaggtcca tatcaccttc ttaattgtac acatggggca 120
ctgcgcccc aaatacgcaa gtatgatgag ataatgttcc gggctctcgt gtctgtaaaa 180
tgcatcata tcatgcatcg cataaacatc ttttcatggc atcataatga acatatcggt 240
cctgcatttg tctgttatca tattacagcc tcacattttg catgagtcac ggcatcatca 300
tgcatatgcg ttcaacaaac tttttgatct gcaaaattgg ataccatttg ttttcatggt 360
tgctcat 367

<210> 17077
<211> 396
<212> DNA
<213> Glycine max

<400> 17077

tccagcatat gaagggaatt ttactctct tacattcttc aagcacaccg tacgtactcc 60

atcaccatag ttgaacgtta aaattgatac ccgtatctca aaaactaaca cgtcatccat 120
 ggcttccgat aataacagtc tattcttcgt tatecttgct agcttcctca gtttgggaate 180
 tactgaggca cagatatact aatattgctc cagcgaaaaa accaatgccg gaacctcctt 240
 ctcttccaat cttattttctt cattattatt accattctcc aacctgaca aaaacacacc 300
 tccgaatcag cctatggagt ccaaagtga acccagcctc tacactcatc aggtcgctcc 360
 ccctctaaag aatgcatgga tagttattcc tatagc 396

<210> 17078
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 17078

ttttttgtct taattgatag atgaggttga gggacaaaat ctgcgtgagg tggggagaga 60
 atggctcaag aacaacacga tggcttacag aatgggtgag ggccaggagt acaagcgctt 120
 taggttatta tgttatacaa agacggctct aggataaaaa ccgacgttgt cttaatttat 180
 agtaattaca acattgccac agcaccatt ctaagacggt tattcataac cgccttataa 240
 tgtacgacgt aaaaacaaat ttttgtttcc ttatttataa aattgccacc gcgcatatt 300
 ctaaatacgt tcttgagaac tgtcgtagct ggcgcgtcgt acattcaagc ttttgtagta 360
 gtgta 365

<210> 17079
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17079

tacataatat gtctgaagtt tagtacatat gctttttctt taatttcang atcctaagat 60
 gttgagtttt taattaaacc atgtgtggca ggaaatgaat gttctgagag attggcatac 120
 tatgggatga gtacaaacct ggtgaactat cttcgggagc gtttcaacca gggaaatgca 180
 accgctgcaa ataatgtcac aacctggcca ggaacatgct acatcacacc attgattgga 240
 gcctttctag ctgattcata cttgggaaga tactggacaa tttccagttt ctcaattgtc 300

tatgttattg taagtttaga gatttttttt ttcttgtttg ttgagtcccc atgttatgct 360
aaaggcatth agtcttcact cttctgacct cagtttatat tt 402

<210> 17080
<211> 356
<212> DNA
<213> Glycine max

<400> 17080

tgcttaataa ggctatacgc tggaccctgg ctgacattcc tggatttagc ccatccacat 60
gatatcatca gataaattta taggatgggg ctaaaccagc aagacaacca cagagaagac 120
tcaaccgggt gattcttgat gaagtgaaga aggaggtaac caagcttttg caagctggaa 180
tcatttatcc tatctccgac agccaatggg tgagtcccggt ccaggtagtc tcgaagaaaa 240
ccggcctcac cgtcataaaa aatgagaagg aggagctgat tcctactcgg gtgcagaaca 300
gttgagaggt ctgcatctac tataggaggc taaaccaagt taccaaaaag gaccac 356

<210> 17081
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17081

tgtatgagta tggggtaccc atcacatgtg gtactatgtg gcggncgggc gaaggtgcac 60
aacaggggtt ccacatcctc aatgcgcgca taaaccacc atcccccggt gccaccttc 120
aactgaactc aagcactgcc acgtagccca tatctcgat tctctcagac accgggtccc 180
catcaatact ctcaagcttc caccacatgc gatcagaaac aacattcaca cagcacgaac 240
tatcacagcc gagccaagca cagcagaggc acagaactct gctcaacaca tccac 295

<210> 17082
<211> 361
<212> DNA
<213> Glycine max

<400> 17082

tttttattca taagctccag aagcaagctt tgctgaagag gaatgattca gccatggctg 60
atagcttcaa ccagggttat tagggataaa gaaggctaaa gctaaaattg agaataaaaa 120

atatctgact tcattcatag gttaagggtta ggtgaaccac ttcatagcta aaaataacct 180
 gttatattct caatttttaa aaaatttatg aattttactc ttaataaaat tgtgcttttt 240
 atatgtaatt ttttattttt tggccaaaat ttaaaattta tttttaattt atttttaaaa 300
 ttttattttt atttttttag aaaatcttac ttcaactttt atacttatta acaaataaat 360
 g 361

<210> 17083
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 17083

tatgttcaaa cgggttgcaaa tatataagca ttattattat ttcttaataa gttaagcacc 60
 cggcaagcaa ctgcaatgga gatatgccct ttgaactttg aagtcactca atagctatac 120
 gtcaacaaat agcatcaaaa ggtaaatggg tcgacaaatt ttcgaccaag caaatcaatt 180
 gacaagatac gaatttaata attcgggcct caaaattaaa gctgaaatca ttatttcacc 240
 tagtgtaaac attgattatg tctgaataaa gaagcagaaa aagatataaa agacatggct 300
 aaaaagcaat ccacatggta cccctctttc tccacgtgtt ctctgtatct cagagcgtct 360
 tccaagctta aacaaacgca gcacaatttt taca 394

<210> 17084
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17084

cttgggagtt ctgagtcctat gaggggtactc agaagctaaa gggaatcact aatagggctct 60
 atttccgctg aatctttcgt ctttgatttt ttttttttcc tttcaatggg gtagagaggg 120
 ttttctctct caaaatccaa ttttatctct tcacaagaga taaatttttc tatgatgaat 180
 tgtctaatta ttagagctat actaatgaag aaattagaaa caaattgagc aatgaatttc 240
 taaatagggc aaaagttatg gataaggaat ttatttctct ggatatatta gaaaacccaa 300
 ttcgattgtc taatgatgaa actaaaacaa atatttaact aaaatatctc tcaatttgga 360
 tattgaagag agag 374

<210> 17085
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17085

ttgatcaatg ttctggattg tctaactagt gaaaatgaga aagatctaag ggctttcttg 60
 taagacttag atcgtgaaga aaccattcct gcagggggaa ccaactttga agaattgaaa 120
 agcgggagtc aatccgagaa gaccaagggtg gagttgaaga tcctacccaa ccacctgaag 180
 tatgtgttct tggaggagaa cgagaccaag cccgtggtga tcagcaatta gctaacagta 240
 gaggaagata acaggttggt agaggtcctc aagagacaca gggaggcaat taggtggcac 300
 atatcagatc taaaaggaat tagccttgtc tactgtatgc acaagataat gatggaagaa 360
 gactatagac ctgtca 376

<210> 17086
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17086

ttctttttcg tctttaagaa gttcaaagct acagtggaga aaaaaagtgg ttgagaaatc 60
 aaagatatga ggactgacca aggaggagaa ttcacttcca aagagttttg agagttctgt 120
 gaagagaatg gaatcagatg tcccctgatg gttccaagat ccccccaata gaatggtgtg 180
 acggaaagaa aaaatagaat aatccttgat atggctcaaa gcatgctcaa aagcaagaaa 240
 ttgccaaaag aattttgggc agaagctgtg gcatggccgt ttatctattc aatcgatcac 300
 cgacaagaag tgtatgggga aagacaccac aagaagtatg gagtgggaga aagtctggta 360
 tctctcactt gagggtc 377

<210> 17087
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17087

ntgatgtaat atttataccg tcctagaacc taaactctta tacttttaaat aaaataaaaag 60
 tgatataatt aatgatttat ggtgtaaaat actaattaac attactcata catttttagca 120
 tcattacagg tgttctgac tctagcaact tctagtgtg cgcgtgctac tgccatagtg 180
 tacttaacac acaatggcaa tcaggattcg aattggcttg ccatctgcaa ccaatttggt 240
 gatttctgcc aagagattag tggagcagtg gtggcatcgt tcgttgccgt gggctctcttc 300
 gttttgctca ttgttatgtg tgcagcggct ctaccaaatac attaactagc accacttaat 360
 taattatata tggagctat 379

<210> 17088
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17088

gagcgtannc gtgatgcttg taatcttggg tgaccactct gagaccgcg gatcctctcg 60
 agctgacctg cgggatgcat ttttgcaaca ttctaccgc atttttgaca gcaactcgca 120
 gaacagagta tcgtatatat gtagcatacc accctgacta cgttggcacc tacgctgaca 180
 ccgctgaccg atgcacgtga tggcgccgag aatctggacc tgcttaatca taagcaggag 240
 gaaggcctgc accaccgcg gtggcgga aagctgagct gggttcgtag attccatgct 300
 cctacctagc aggtcacgac ataaaagggt gcagatgata tggatttcat tatcgcttgg 360
 cccaggctta catctccaca gaaccctaact tcttggaaatg aacgtgtgat cattcggaag 420
 cgaaactaca tctgatcgat agtaaatcca agg 453

<210> 17089
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17089

cctatgctct taactcaca acgtgagaac agttaaatt gatcacttac aacactacca 60
 aaccccggt gctttgatcc gtagtagatc ccgtgacact atcanantac tcaagtctnc 120
 acacgcgtgg ctcttagctc ctgacagaag agcagtaata tatgtatttc aatctgagac 180

aggcacattg aagcatgccg acgaagacaa aatgtcagca cagagaaaac cacaaaggaa 240
gaacggtcga aaagacaaca cgaaccagca tgctccaagc caattccgac ggaaggaaat 300
catagggagc gaacgccgct gaatggagaa tagcttatca cgaaagctaa aatgggtcac 360
atgacactgg taggacatcg gacaaccaag agtgaacgaa agtggacccc tctagaatgc 420
ttgatcatatc tcgttcgatg acatttttga aaaggcaccg agaagcatatc cttgagcgaa 480
gtgaaaacca atgtggaata gaatgtgaac aacgttctct gaaatatacg gataccagga 540
accggtatct acg 553

<210> 17090
<211> 378
<212> DNA
<213> Glycine max

<400> 17090

ttcttcagaa tataacttcca aaatggtaac aagaagtacc tccaaattaa ttaacgtcat 60
taatgaagat agtgacaaaa actcagaaaa cacaactgag ataggatcaa tatcagaaaa 120
taatataaat ccaattaatt ccaaactg gaaaaccccc tccaaattat attatcaacg 180
tccaaccgcc cctgacctac tattagagga aagaggagaa aacaatttca agagttttag 240
tgctaacaac atctatgaat ggaacataga tgcacaaacg gagtataata tcatgaatac 300
actccaacat atgaccatgg ttgctacggc ttaccaaacc tcccacgaat gttcaaaaga 360
gaccattata gatattctt 378

<210> 17091
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17091

ntactttntt ttcccccaat acttacaaaa atattatctt atttttttta cctcatgtca 60
tttgaagaat gtgttttgct acaaagtacc gatacttta tttgcttcat gcatctatac 120
ctgataccaa tatattgata tatttctactg gtacatatat gtgaagacca aatcttttaa 180
aaaattatga aaatcaaata tagtgacata gaagtaagta taatatagaa atataaaaag 240
tattgtttct tgatgaacca aatataaaaa ttgttttggt tatagataat ttcaagaaag 300

aatgagatt gatcattgat agtaccattc ttatttgtga aaaataggaa aaaataattt 360
acaatntttt ntattntgtt tttagtaatg tctaagaagt atgtat 406

<210> 17092
<211> 373
<212> DNA
<213> Glycine max

<400> 17092

atcttggcat tttgatgctg cactgtctta tggggagggc gttttcaaca tcagatcaaa 60
ggtttacatg tcacaaaac tgtggtatct cagagtcaat gtaatagaag ctcaagatgt 120
gataccgggt gacagatacc gcctaccgga ggtttttgtg aaagctcaag tgagctgcca 180
agtgtgaca accaagatat gcccagcag aacaaccacc ccattctgga acgaagattt 240
gatctttgta gcctgtgagc catttgagga gcaattaaca atcactgtgg aggatcgtgt 300
gcacccttca aaagatgagg tactggggaa gataagccta ccaatgaccc tctttgagaa 360
gcgattagac cat 373

<210> 17093
<211> 398
<212> DNA
<213> Glycine max

<400> 17093

tatcctatat gacactcctt ataccaccaa atctctaagt ctttcacttt taaagtcttg 60
ctgaatgggt acaaagtgac ttgcagcaat ttgatgagta actcaacatt atatataatt 120
agtgcaaagg cacttatgtt catcaaattt taaaatccta tacatatcta aaatgaactt 180
aatgttaatt tcaggatgtg tcaaacaatca tatactcatt tatgaaatgt gtgggattca 240
cccatctaaa tttggaagag attacggaat gcaggattgt ttataatcat tggaggaatg 300
ttacacaaat tggttatgaa tagaagactt ttgcacaatc acgaaatttg gaagctaaaa 360
ctcaaattat atttgagttc ctagatgcaa catctaac 398

<210> 17094
<211> 348
<212> DNA
<213> Glycine max

<400> 17094

gacatgaaga atgtgcagct actgagcatt cactcaatac ggtctaaagt tcaactaaata 60
tgacacattc gttcgcgaga aaccacctca ttcggtggaa tgaggatgag atgcgacgaa 120
atccataaca tgttatccac gatactcgta ttattataga cgtaagaaga atcttaatat 180
acatgctcta atcgctgtac atagaatccc atagaccaat ggatcacttg gctcggcgga 240
tgagtgagct aaggcttgaa gttcggtcgc ttactttaat acaacacaga ctacgttggtg 300
cgagaaaatt acatcatatg aataatatat aatactacac ttggatac 348

<210> 17095

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17095

cacaactata gtaacaaaat aacgcagaaa cacaacacn nccccncagc ggatgaccgt 60
agcatcgga cacggaacac acaacctcga catgtggtgc atcgagcacc aagtgcgcct 120
tggtttatc taaggacaat ggcgcgagac tgacgatcca aaagccgcca ttccaacacg 180
gcgaggccac tacgaagaaa cctaacaccg aagccaagcg cgagaaaccg gagaggagta 240
gcagaatcta gccacaccc ctgattgacc agacgagcac gaccactata ccataccggt 300
ggagctcaac aaaaatcgaa catccaacga agataacaag ccgtacacgg aacaactaaa 360
cacgggatgc agagacagcc accacaagag acaaggggac ttagtcacga ctctcggaag 420
ccacaagagt gccggacat aatgatcagc tgttcacagg caaagaaacg tcaaaccata 480
ag 482

<210> 17096

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17096

agctctgccc accctttggg ccttttgatg ccttcgtatg actaccttcg aatacccgcn 60
gggtacaccg gggatcctcc tgcaggggac ctgttttgtt tgctcttttt gaacaacatt 120

ctcgagccgg ctgaggtggg atccttgtga cgcataatcc tcttctttag gatctagtcc 180
 ttgaccgaca tgactctttc agacagtatc cagatcattc tgattatgct actgattacg 240
 ccttgccaac attgatctag atcgcattat tatattggtg taacttcctg aacattttgc 300
 atgttatctg gctaattgtg cattacgtgc ctacgagcga attcggacaa ataatatagg 360
 tgtaatttat gatactcact aacttgttag acgtcgtccc atcataacgt ggagaattcc 420
 ttcactactt atttatggag aactttcgtg ataaaataaa ttacgcg 467

<210> 17097
 <211> 754
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17097

acgatgcacg acacanacag atcgtcnat gtcattgata agngagagag gtagtaanta 60
 gaaaaaangc gagacacana nncacccaen acnnncaaag agagaggttn tggaatcga 120
 agtccactnc gcatangccc cgnanannac nnanacaaaa nacnncaggg cngaggagcg 180
 cagaancang gcgcnactgc aaggcaggag cncaactaan cgagaggtan ttagntcata 240
 gacacacaca cacnacgacg cgcgcacaca naaggcgaga gcagagcgac gagncgaaac 300
 cnacgcgcgc nctacagcca taagcgagcg acataacaga gctaaaaccg cagcaggcac 360
 acacaggaag cacagcacac gccaccgcgc gcacacatac gcctgttaca cctccgggtg 420
 cagagatata ccgtacgagg ccagaagata ccgcagcgag aagctaccaa cgagagcgac 480
 gcacacctag caagcactca ggacacagat aaccaacagc tcacacacac acaaaggcgg 540
 cggcacacgc acaggacaga tcgcaaaaag cacacggacg cctacacgtg gcagcacgca 600
 aacggcagcc gggagagaca cacagccccg caccgcccgc tgtaagaacg cagcgccaac 660
 ggcgcggcac cacatacacg acagcgcaaa cccacacagc agatagacca aggcaaggcc 720
 gaacagcacg aacacgcgca ggggaccaca cccc 754

<210> 17098
 <211> 104
 <212> DNA
 <213> Glycine max

<400> 17098

cctaccctta tggacctaaa gctcctttga tgagctctta ttttggcaca actaggggtga 60
tgatctctta cttcgggtgta ttgcaacttt aatatctaga aggg 104

<210> 17099

<211> 332

<212> DNA

<213> Glycine max

<400> 17099

ttgctatgat gcagggtgta ctgatatttc gtgttgcgac tgccaaggag agcagtgtag 60
atgatgcact tccatttagc atactgtcat ctaattgaaa gttgcatccc cgacaaccaa 120
gatttcctta ctatcatcgc tcgaggcatg tatgtgattc tcacacttat gtgcttaagt 180
attataggca atgggttaaca tggttactatt cttttgtagt acattgtatt tcattgaggg 240
agccataggt ccccgtttga gattgcgtac gacgattaat acggataggt tggattaatt 300
gttgaattca tacttgaatt gtccgattgg ac 332

<210> 17100

<211> 118

<212> DNA

<213> Glycine max

<400> 17100

cgggtccggca gaccatactc atgtgtgaca cgctatcatc aaatttcagc cgataatccg 60
gttattatct ctcatcattg cgacgcaagc aaacgtttta cgtcaccaga aactgcct 118

<210> 17101

<211> 357

<212> DNA

<213> Glycine max

<400> 17101

ttctttctcat cagaagccac tctccaacca taatattggc catcaatatt ctgctcattg 60
aaataaaata aaataaaata aacaggacca aaaaagtaca tatgagcaaa atttcaatgc 120
cctgaggcat aagcatcagc gcaactcatc atttggataa tgaatgaaca tttacagaca 180
tataaattcg gcaaagtcac gctttctacag tctacttggc catcattatg cggctacagt 240

tggcccaatc tttcctgcat gaaagaaaga aacaatttta atccatgttt cagagcagga 300
 aaataaaaat gataaataaa ccatcacatt ttttgaaaaa ggaatttatg tagatag 357

<210> 17102
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 17102

ttgtggatga ttgactcctt ttcacggtc tcttttgtgc gccgtaacaa gagccctttg 60
 gcggacgtag gcacctaaag tctgatcag ggtatgcaac cctcaaaga atactcttcc 120
 tagcgacttt gtaagccaca tcaagttcat cacacctttt ggatatgacc gctatttctt 180
 cttgaagga gaacttccgt tcacataaac ctttgtctgg aaagcaaagt gtcctccaat 240
 aaagatggac tgactgccat gagatgct 268

<210> 17103
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 17103

tatcttgggt cgatggggtg ggtattgata tggatgaaac tactattcaa tacactaatg 60
 aagcccaaca agctattacc gagaggccca agtgagttag catgaagcca aaaaattgaa 120
 ttgtttatat tcattacaca tgattattat agtgggggtt attaacggac cattctaaaa 180
 gttaatagtg gaattctgtt agaggggaat tggggaaaat attcgagtgt taagactgtc 240
 gtcctttata taatacttac tatattgggtg aaaaggtatc aatgagaata ttgtctatct 300
 cttctctcta ctatcttgct ataggatcct ctatccttta atttagagaa ctctt 356

<210> 17104
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17104

tgatttgggt atacaaggct caatttgtgc tatcttatgt gctaaatggc ctaaatagta 60
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tacatttata gcatattagc ctgatgatta aattgattgt aagccctcat gttttggggt 180
 agagagcgga agaactgaca actccatata ctttctgtgt catatgtctc tgaccaaggt 240
 ggagaaacat cagtcaatat tagcattaat tattgggttat cattcttggg cttcatgtga 300
 atttgatttc ccatagtctc tcttgctgcc attaccatca tcttaattat caatacaacc 360
 caagaattat gttgtggaat att 383

<210> 17105
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 17105

ttcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
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 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga gtttgaaaac agcaggttta ctgaattctg cacatctgaa ggcactcactc 300
 atgagttctc tgcagccatt acaccacaac aaaatgacat agttgaaagg aaaaaca 357

<210> 17106
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17106

tgtgtgttgg tgctttgggt catttctcag tttgttcatt tgaaacatga aaacaaacac 60
 acctatagaa gtcaataatg tttagatggg atatggagtt ttgaacttat aatgttttat 120
 gttgttttga agtagacatt ggagaacttt acttttatgc ttttcctttt cttagtgtgt 180
 cacaatattt tcttcagcgc ttatcctatg gtgtttttat gtatttaaca gagggatcat 240
 gccaaaaaga gattggatag tcatcacttt gaacctaatg gaagtagcgg taaactgccc 300
 tgttatctga taatatattt agaacactct tctgtagtca gtattatatt tttttcatgc 360
 ttgatgtttt taactgt 377

<210> 17107

<211> 377
 <212> DNA
 <213> Glycine max
 <400> 17107

ttcttttagga gaaaccataa aaactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
 ttgcgcaagt atccccattg aaaaaccttt attcaaactt ttcaaagtta gtgagaaggc 120
 taaacgaaaa attaggggaaac ttagaaaaaac taaatcctta attgaaggcg taggtgataa 180
 ccatagttaa ttacttaaca agattggttag ttacttaaa gtcattccag atactcccca 240
 agcctcggaa aatacttcca aaatggtaac aagaagtacc tacaatttaa ttaatgttat 300
 aattgaagat agtgacaaaa gctcagataa cacaactgag ataggatcag tgcagaaat 360
 gaatataaat ccaatta 377

<210> 17108
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17108

ntacagcccc tcaccttggc ctatgcaacg ggcttggcct gtctctaaga ggagaagttg 60
 ctggacaatc attgcccttt ctggcctcga ccatctactt ttctccacc accgaccacc 120
 acgccttcgc cagctatggc tctccttcg gtgcccgtat ttccgcctcc agtgaagcct 180
 caagcctcgg atcccattaa atggctatcc tatgaggagc tcaccttgcg atgtgaacat 240
 ggtatttgtt tcaactacga tgagaaattt catcgcgccc acaaatgcgc ctctaaggct 300
 tttctactca ttatggacga tgatgaccct ttgaagacg ctgctccttt ggtggagccc 360
 tcacccgaac cacctgatac ccatgacca ct 392

<210> 17109
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 17109

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agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
aactacctca agaagaagct gaggaagaag acccaggtga accaccttca cctgcaccac 240
aacaacaaga tcaagaacta tcataccag agtctactcc aagatgagta agatctttgg 300
tggaacatata tgaaacctgt aacttagcca tacttgaacc tggaagcttt gaagaagcgt 360
caaagcagga catatggg 378

<210> 17110
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17110

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taatcaagtc ttagaagcta tagatcaaga ggtatgaatt tataattcta cttattcgac 180
gatttaacta tgatatgata ctttaciaaag aagaaacatt cttttaattt acgtacctac 240
aaatggttct actagtcaag atcatcaaac taciaaacaat ctttaactaga ggtaggtga 300
aatatacatg gtaatgaaga tgcgagccgg tgacataatg ttatttcacg aacatgattt 360
anatggtaat gaagatgtga gccgacgaca taatgttcaa g 401

<210> 17111
<211> 377
<212> DNA
<213> Glycine max

<400> 17111

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agtgatccta tttggtggga tcatctcttc cttttatttt ctttaagcttt tatttgtaat 180
aaaaggtttt tttttttacc agaatttagg tcttggtgag tctatttgca tgggttttgg 240
ttattatagt gtggtatatg attactagat tatattggtg tcaacataat tgggattagt 300
taatatgttg tgatgttggt cacttcaata agtttataaa aaaatcattc tacattaaga 360

tgagtcacatct aattatt

377

<210> 17112
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17112

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gagacttcta tatttattaa agtgggtttt ttgtgaagta cctcacaaaa atagattctt 120
cctanctagg gggattccac tctacacttc tcatagatat acaataaata tagtggaagt 180
gggttctctt gatgagaaag aagaacagat ttctctcata aggaggttga tgatatgtct 240
tgattcaatc ggttgtttta aaaaatcagc ttaggctttt nagaaatttt cacactgtcg 300
tggtgagaca catgtggtgg tgcaagttga cactg 335

<210> 17113
<211> 372
<212> DNA
<213> Glycine max

<400> 17113

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atggatgacg cctcctetca cctatcttcc tttgtcttcc gctgcatctc catggtggaa 120
aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataga agtccacaa 180
gcaagcttcc atcacttccg ttttcaattt cgagcgtctc catatattac agggcacaat 240
cggacatacy attcaaaagt tattgtcggt ggaatttgct cacagcttca gctttcaatt 300
acgagcgtct cgatatattt cagggtcac ttggacatcc gagttaaag ttattgtcga 360
tcgatttttc tt 372

<210> 17114
<211> 136
<212> DNA
<213> Glycine max

<400> 17114

gaaaacagaa gctctgagaa aaatcaaacy ataataactt ttaactcgga tgttcgattg 60

[illegible]

| | |
|-------|-------|
| <400> | 17115 |
|-------|-------|

<400> 17116

<223> unsure at all n locations

<400> 17117

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tgatacttga catggattgg tttgggtaac tgatacaagg gaacccccag attaattctca 180

tgacacaacc tgctcaaaag atgtatgatt gtaggagaca ctatcatagc aaattcgtgg 240

gtcactgcac tagacaacac tatgatggca ctacatcaga gatgccgaaa tgctgatatg 300

cgcctatgtg aatgcaattg gcctcaagat gtgatttcca tctatgatac atcaacacac 360

tgtccccaac ctatggaact actatcaata agtgcattaa tacaacctca caaggacgaa 420

cggtaaaatt gcacagagtg aacccttccct gtgtactcat tctgacataa gactattgtg 480

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<210> 17118

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17118

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accttcactg aacccccgatc acattgacgt gatcagaatt tcaaattgat gttccttttag 180

tagaatccga aatgccctca accctttcat gtagtgacat gggatattga ctcagagtat 240

tgttgttaac tctatttctg aaatccatag taatttcctt cattctggcg taatagagac 300

ttacgttgga ccaacaagtg tgaacgagag agagacctct aagtgatgca nagaggaacc 360

gatgggatgc tcatgat 377

<210> 17119

<211> 368

<212> DNA

<213> Glycine max

<400> 17119

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ttcacccgac gaagacactg acaaaaaactt atctattcct tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat ggataacatc aatacaatgt 300
 ctaacgtcaa gatcacacta gtatggaaga tcaacgaaaa tggacctctt cttccatatg 360
 caactctg 368

<210> 17120
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17120

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 agattggatg agaggaagtg ggattttcga aatctgcact tatgcagaat tttgctgtca 120
 aaataggtgc agcagaattt tggctttgtg cagaaaaatg cttgtgtgtg gttggctgtg 180
 gaaagtctag tgcagaatga gttctggatg tttgctagta gatcccaacg gtcaaaatgt 240
 aggcttatgc actatagact tccagtaaaa ttttgagtc gatccaacgg ttaacgaatt 300
 ggatcgaagg aattgttact ggggtcttta agtgagaaaa gctgtgattn tggttagtgt 360
 gttgagcaga gtttttct 378

<210> 17121
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17121

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 ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttacgc 120
 aaaactggtc atgcatgcac ctatgtggac actcaagtgt caacttttta tggatcatgtg 180
 atgctaagtg tcgcaagatt catttctctt attttagtca acccaacgtt tccaaaatat 240
 gttcttttat ccatttgtgc attcatccaa gtccatttcg ggcgttcgag aaaattttca 300
 cagcattcac ccttcaggtg tatacacatt ttttttaaaa atcggttatg atcaatgaat 360

tttttca

367

<210> 17122
<211> 249
<212> DNA
<213> Glycine max

<400> 17122

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aaaaagaacc catacgttgt aagggaata cactaatagt ttacgtgtga ggtcatgtga 120

tagttaatca cttatcaatt aagtataggt cttgattgaa tgcattgatca cggcaaacia 180

ttgatgggtca ctgtgaaaag atgctagtct aagatattct ttatgatttg aggtggataa 240

ttgaatctt 249

<210> 17123
<211> 233
<212> DNA
<213> Glycine max

<400> 17123

ttacctctat cttctgtgaa cgtctgctgc gtctacaggg tggaaaatca ccattaaagg 60

acctcttaga aactcaaaga tccagcctcc atagaaactt cacaagcaag ttccattaat 120

aataactaagc aactacaat cttaaagact aaacatatga tgtattctat tattgtttaa 180

tgcttaactt aataactata gggtcactgt aaatcttctt ggtacgggtca ctc 233

<210> 17124
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 17124

acttaattaa caaaatctaa tccggaaata tatcttatgn ncttgtttgt ttaaagaaag 60

tgataaatca gtttcaaate aaacaacctg caattgagtg ctctcgtcca gtacgacaac 120

gtcttggata tggatgttca ctgcacccaa gaattgggtct tttgagatca atgctgaaat 180

caggatctcc aagatcattg taaacatcat aatcatagat tctttcataa ctcttacggt 240

ctccttctcc atttctctc aatagcatta gctccacttc tctaagtctt ctcaaccac 300
 atggtgtttg tgatggcaaa taagactggt tcagaataag ttaactcgat ttaaaaaaaaa 360
 aaagcctata 370

<210> 17125
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 17125

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 ggatattgat tatcatgttc tcttttgctc aagtggcatt ttctacttga agtctagaca 120
 ttgaatttat gaggtttttt cttccttatt gctaaatcac atgaggcata attaattaga 180
 aagagcatct atgcctaaat ataatttca aagtgcatac gtcttattta tttatttggg 240
 taaacataat tgataattta ttaagataga aaggagaggt acgaatgtga gagaataaga 300
 aactaaatag taacaaaata aaaaggaaaa taaaaataaa aatgagaaac atac 354

<210> 17126
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17126

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 cacaccatag tgccaatttt gggaaaaggg ctctagaggc agcaagagga gcaatttttg 120
 tagagatacc taggttttgt aatctcatta ttgttagggt ttcttctata atggttggtt 180
 aaacactctt gttggggatt tctaaagaac aactgatgta attattttta tctctaattg 240
 attgtgtttc ttgtgttcaa tgcttctttc agtgcttaaa ttatgtatgc tcttggctctg 300
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 gaacttgaat gaagcagaat tgaaacttag tcttacaag 399

<210> 17127
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 17127

tttttcaaac cacaacaaca aaaaatctag gtgtccaaaa cccctcaatt caatggggttt 60

tctaagtttg aaaagtgaaa tttagaatga ggtaaatttg aagcaaactc tcacctcaca 120

caagtccata acatcaatct aaacttgctc aaactgaatt tacacctaaa attccaccga 180

atcaaaattt gactcttcaa cacccaattt tgccctacaa atggctcttt gttcactttg 240

gtcattcggt tttctctcta gttcagccta acctttctca catgtcctaa atgacatttc 300

aaactagtat taactcactt taacctccat ataccacaga attcagactt 350

<210> 17128
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 17128

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gggatctaag attcactcaa aattagtgag aagaatgttt ctgtgaagag aatccaagcc 120

gaggcgcttt cgtgacgtgt tcgtgggtga ttacgcatag attgtcgacc gctcttcatt 180

cgctcttgca caatgttcgg tcttcagccg gtaagttacc gaaatcgta ttttcgatgc 240

attctatgta cccttagtgg tcttcatttg tttcgcgagc tttcatgttc attacattta 300

ctttccgaac ccccttgtag cgtgcttttag atatttattt aagtcattgt ctcggct 357

<210> 17129
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 17129

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cacaactttt tgactcctac tcttctttgc attcttatta tttttttcat tttctatttc 180

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ttgattactt tcacctctca cctcattttt cttgcatca gtacttttct tgtcatcatt 300

tttcttctca tgtacaacat tctctcctc ctcaacctcc acaaacttt tact 354

<210> 17130
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 17130

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 catgtgtaac acttggtgta actttgatga atgagagtct tgtgagacac aactcaaagt 120
 tcaacttctc tcccgttttt cctccttcaa tttcatgctc cccctctctc tttctctctc 180
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 tggcgaaact ccttcttcca ttgcttattc cctagtagat ggcgcctcct ctcacctctt 300
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 gctcacagat ccagccttca tagaagctcc acaag 395

<210> 17131
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 17131

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 gtgaggggtg ataacaacct tgataacatg tgaccaata agccaacaac cacccttatt 240
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 ggtgaaaatt gccccttat accactagtc tatgtg 336

<210> 17132
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 17132

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gcttgcaa at acaggcattg accctaccca ttgcctattt aagatcttat taatgactag 240
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atgaaatttt ttattttaat ataagagcat cgtatacaaa tgtgggaatt tatttttagc 360
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acatcatcaa aaca 434

<210> 17133
<211> 675
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17133

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cgcgagaaca ctccataagg acaacgcctt cgtgacatcg cggtttntct gcacaatatt 180
accgtcacta tgtattgana gagcagacga caaatagtag cactgcaccg atgtgtattc 240
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cttctgacc agcacttcat gaattctgaa cccatccaca catctctac aaattgtgtt 600
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atctgacgtg attcc 675

<210> 17134
<211> 326
<212> DNA
<213> Glycine max
<400> 17134

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atactcagct tgttttcttc tatgtaattg tttaaaacaa tccttattaa cactttttta 60
ctttctggta gaacctcaga gtattttaca agactcttag atctgagatt tgaattaatc 120
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<210> 17135
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17135

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<210> 17136
<211> 288
<212> DNA
<213> Glycine max

<400> 17136

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<210> 17137
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 17137

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 ggatgtctga ttgaagcccg aaatatatcg agacgctcga cgatgaatgt ggaagctctg 120
 agccaaatca caccgacaata acttttctact cggatgtccg attgaatcct ggcataatc 180
 gagacgctcg agattgaatg ttgaacctct gagcgaatgc caacgacaat aactgtgtac 240
 tcagaagtct gatatatgtct cggaatatat caagacgctc gaaattgatg ttgagctctg 300
 acaaattcaa caacataact tttactggat gggga 335

<210> 17138
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17138

actctcatgt aacngagcat gtntgtgcga ccaagaatat cacgcgctgg cctanttact 60
 attccnncnc cccactagag cccttgaccc tttgattcat gaactccagg cacaacaaaa 120
 cgccgctagt tcaggcctga tgcagacgct actctctatc tggcagctga cgggacactg 180
 caatacatta ctgtaacact gccagaatgg agctacagtg taaacaacgt ccgtcagata 240
 atgtcaaacc tgcgggaaca ttggaaggct agcagcgcac ttaaggcatc caaaggggac 300
 tataaacaaa gggatatccat tacaatctgc tctcaagga gaaccctata ctttacaac 360
 tctgtttgat actgattcga gaatggaaaa tggctgaccg acaaaccaaa tttgtgagga 420
 agaatttcta tcgagcctaa acctgtgaca agatcgtaa caacccaaac tcgctgcct 480
 cgacgacaaa caagctgaaa catcaagctc ggctgtactt gaatacaaca tctatggaat 540
 caatccc 547

<210> 17139
 <211> 644
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17139

tcgtggcgca taccaacgtg ctgagatcgg gacactcacg atagatatct agctgatgac 60
tgtaganacc cccccccccc ncncaagcga tggcattgaa accttttgat ncntcgaca 120
ctatcagaag acacaaccnn aannctctac gcggtgacgc atatgtaggt agcgacaaga 180
tgtatatcgt taacagtgtt tagtattcgt attggagcgt gacgtctaga tagggaattg 240
ttcttagtat gtatacacga tgactggaag aacatagnng tgaaagagtg ataaaaggat 300
cattgtatgc ctggagaaat gatcggctac tgaaactcag atagaacgga tgtgatggaa 360
ctgtagtgca tgggatgaaa tagactagag tagattgcct aagaactatt tgtactgttg 420
ggaagagata tctctgctaa acgtgacatc tgtgtggcct ctattaagaa caggtggtgg 480
tggtaatatg caatgaagtt cattcatttg ctgtgataat taataagggt aggcttgtgg 540
gagtgggtga aaagagaaga ccaagaaaga atgttctgca gttgaccatt tagaaatcat 600
actagcagtg tcagcatacg atattgacgt cttgaatgaa taag 644

<210> 17140

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17140

tggagctagg tcatgaaata aggtgttttc aacgagtgag gcctttcaag tttcaaacga 60
tgacgaggac caccatagcg caagtagctc aacagtccag cacgatagcg atgacgacga 120
tcactacgac gcgagtagct cagtaagagt cattttcggg ggtgaatagc ttgaacaagg 180
tagagtgagt cacaagaatc attctcgggg gttgtgttac gatgcctttt cgagtttttg 240
taaaccctg gactcggagc aaactcgcga gtttaccaaa cctcgtccga gtctacgcan 300
aatcggacga gtttactccg ngttcgattc tgctttcgat ttaacttgcc aacccttagt 360
ag 362

<210> 17141

<211> 581

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17141

cacgatacga cccgcggtgc cgtacgacgc tacagacatt ggcgtgatct cgcatacaca 60
ccaccnccg ccgcatggat gaaacctgta gancngtggt gaactactag acaagcagtg 120
aancttgaga atactcacgc ttaacaacag tacttttacc cacgtttttc cgaaacctat 180
gtgacagtggt atttctcata tgtaccaata tgtaactaag catgtgaaat ggtcgcacat 240
atagatgctg ctatgacatc aacctttgga cacatccctt tacctaacaa ggaagtcgat 300
actatcagta cccttcttca atatacagaa tgatgcacca tgcaaacata tcgtaataca 360
agaaatgcc aactaataa tcagcctaact actcataacc aatgaaatgc ctcatatccg 420
agttattcca tcttctaata ttattggagt atctggagaa ttaaaaaaaaa gcggtctgggt 480
ctcccggtca acataaatct aacgtttaag tctattaatc actcaacaca gcgcggtatc 540
atattcaaca tgcacactat gcacagcaaa gagacggaat c 581

<210> 17142

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17142

tcanaacaca gcatcacaga atctaggtgt ccaacacccc tccattcaat gggtttttcta 60
ggtttgagaa gtgaaattga gaatgaggta aatttgaagc aaactctcac ctacacaag 120
tctataacat caatttagac ttgttcaaac tggatgtaca cctaaaatct caccgaatca 180
aaatttgact cttcacaccc aaatttgccc tagaaatggc tctttgttca ctttggtcat 240
ttgtttttct ctctagcaca gcctaacctt tctcataagt cctaaatgac atttcaagct 300
aagattaact cactttaacc tccatttacc acagaattca gacttaacct tccaactctc 360
aaagcctcac ttctttttcc actcataaca tcacattctc ac 402

<210> 17143

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 17143

gtctatgtgg ataaaagagc ttaanaactg agatgtaga aaaggttggt tatccattat 60
 aaatgtctta atcattttct caaagatgat aagtctcca tcccgaagc ttcttctactc 120
 ccaaccttga tcagaaaatc aaacttattt tcaaagtttg atttaaaatt aggggttttg 180
 caacttggct tacaactaga agatcagtat aaaactgaag atcagtatta aacagtcttt 240
 tgtgttccga atgctcagta ccaatggaca gtccttcctt ttggtttaaa agtatcacc 300
 tttctcttcc acaaagccat gactaagatt tttagcctat tttggacaac atcattgntt 360
 acatagatga tatecttttc tgttcaaaag acattgtctc tcataaaaac tta 413

<210> 17144
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17144

tcgtcaacat gaagttattt tcttaccaca cactcacgta ttctctccct tttagctatt 60
 ggcccaaaca acctaacttc ttcaactttt tcttccatgg aaacttaacc tttaaagatc 120
 tccaccttcc ctagtcttcc tgggttggtat tgggtcaaaa ccttcattaa ttcttttcat 180
 ccttcacaag ttaagcgagc ttcttcttcc ttttcttttg agaatagaga tacacaccat 240
 tttaatttat tctctctctt gtcatagttt tgtaagagct atggatggat tcatactctc 300
 ctacccatat ttaccanata tttatgaata tatgtttttg gtgggtgggtt aagatgttta 360
 aacacataat gaccaaggtc ttgacgttca tcaca 395

<210> 17145
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17145

nttatcttgc caagttcata caaaagtgtt acaacttaac ctaactgttt ctaattatat 60
 gggccaatcaa atctatcatg tgttgacagt aattgattag cctgtgaatt tcctcagggg 120
 ctgaacacac ttcagtgatg gcctttgctt tggctagtag tcgcggggagg tcttgacttc 180

catttaaggt caaggcgaac ctatccatcc acatggtcgc ttcttgatgc aatgcatcaa 240
 tcacctccc tcttgcttcc ttttcggcgg acgcttgatgc gaaatcctcc actagctttt 300
 gttcatgagt cacagactgg gttaactctt ccttggactg ccctatgatg gctagcatgc 360
 ttcgctccgt ggcttccaag tggtgagcca aactcctctt ggatcttgag caaagagcta 420
 aatcttcctt taa 433

<210> 17146
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 17146

tgtacttttg aacacttgct tatcttatcc agagctttca gtttctaaac taagtgcttt 60
 taaactatct gcataacttt tgttgattct gttacttatg gtgtgtgtca cgtatttggtg 120
 ttccattcct tgtttagtta tgatgcattt tttgatgata ctcaagtcac gtgtaacttt 180
 tgaacatcta cctatccctt gactggagat atctttcaag catgcttttg atcatacaaa 240
 acttttcatt tctattgcac tttgatatgg gaaaagcaag attttccttt catgattcta 300
 gctagtaaac tctattctag tagtctact tctattgggg ctgatcctat gtctggaagg 360
 ttgacatact ttcaagtga tcttcgtacc tttcttgatg cttattgatc a 411

<210> 17147
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17147

tctagccaaa tggacttacc ttgtattaat tcctttgata gcccttttga gccttgtttc 60
 cctttccttt gttngaagct cactacaagc cttaagtga aaacctgat atcatcatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
 cattggacaa cttgtttttg tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
 acattgtata ttgggttaaat gttggacatg ctgaatgaaa tggtgtttct caaaggctat 300
 agaataaaaa aaaaaagaat aaaaaaaaaa attcaaaaaa aaaattcgaa aa 352

<210> 17148
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 17148

ccatccttgc cctatgaccg tgtgaacgtg cacaccaaac tcagcttaga cataaaatca 60
 tggtttttct tctttcaagc ctttttaggc ctttctcca tcttagatga taataatatg 120
 caattactct ttgacttacc ttccttggcg tgtcaactgt cgggataaac gccggtatat 180
 ctctcaggc taccaagcca accacactac tgagtgaac tacattaacc ctaacctcac 240
 cgtattgcac tcactatata atttcccctt atgcgagtaa actcagctaa gctatcctta 300
 gatcttactt atggccacac tcaccatttt tgtgacttga cttacactta cctccgacat 360
 aaggattata ggttatgggc ccttattcct tacctgtcat tttatcaatg ggatcatgga 420
 tgc 423

<210> 17149
 <211> 535
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17149

cgggcgacac aactncgcg cgaacgtgtg atcaacacgc gcacaggccc gatnanctcc 60
 cnncccccn nccccaccga gcatggaacc gcttgatncc agtgaacacc cagngacact 120
 atagacaacc caagcgtgtg aacgtagata tagtccacca ttatacaaca tgttgatcta 180
 tctgctagga ggacatcaga tatatagata catacatata catatatact gcacgtgaga 240
 aatcgagact cacgggcgca tatcaaagtt ccatacttac tggattcact gggatagcgc 300
 gtgtatacta catacaactc atatcgccat actcaatcga cccacaagat tccatagccg 360
 cgctatgaga tgatctgaaa aactcgagc cacgcgatga acctgagaca tgagaaatgc 420
 gacctgagac tacaaactgt gaagagacga gataacggca aggcaacatg tgtaattcgg 480
 aaaatccgga aaagcacgag ggatggacat tggaaaggta aatgggaccg agach 535

<210> 17150
 <211> 406

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17150

 cgcgaaatgca aacatttggga aagttagttt taccagaggg acactactct taaaacaaaa 60
 atggcataca acctcctccc ataaatacaa acatcaatgt aaatttagag caagcttatg 120
 tgcataatttc cttacgaacg ttcacttgca caagacattc tattaactaa gaaaaatgca 180
 cccatataca atcaaggcag cttcggttacc tagattatgt acatgtactt ccaaggtgta 240
 tttgttactt acatcacaca catcgtcttg gctgaattac atacatgcat actcaaagca 300
 ntttggggtc ccaaaaattg acatgtgcac atcttgggtat tcctaatacc tatacatata 360
 ccaacttcat gatgaatcct gactatctac acaataagggt gctaca 406

<210> 17151
 <211> 403
 <212> DNA
 <213> Glycine max

 <400> 17151

 tgcattgattc atattctccc cctttgtcaa gcatattctt tttgatataca tcaaaacctg 60
 catgattttac attctcccc tttttgatga tgacaagcat tatccaaggc ttgatctttt 120
 tgacatcatc aaaatcttca tgattttacat tctccccctt tttgatgatg acaaccactt 180
 gtaggttagg agcaacaaca aataaaaaaa tatctatttg catatagttt actccccctt 240
 ggtttttgcaa tgttttgctta tatgagacaa ttgaagattt catatttttc atatataaaa 300
 agttgtctca tataaagaat agataatttt cttactatgt atctttatct ttctctcccc 360
 tttgcaacat caatacaatc atgaatgaga ggagaaaatg tac 403

<210> 17152
 <211> 302
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17152

 ctcagcttga ccattccctt gcctctttgt tggtttgcta ttangtactc angcacatca 60
 cgtangtgcg gaggtgggtg attcttgctc aaaactttgt catgcttcag tagatctggt 120

caaatacaat ttcaatcctt taaatttaac ttcaaacata agtttttaaaa aaaataaaaa 180
acaataaatg ccaattgtat attttaacga taacatcaac ctattacatt acctaggtct 240
tttggattag tttcgaagtg ggctttcaac ctaaaataaa agcacaagtt tgcagaaatg 300
aa 302

<210> 17153
<211> 381
<212> DNA
<213> Glycine max

<400> 17153

tcatactcca catattttgt tctgatcga gccatatata ccatatagta ggtgcctata 60
aaaaatcagt agctacctct tccagaatcc atagcccat gaccaaggtg tcggcctgta 120
ctttcttcac aacacaacat attacattct tggcatgtcc tacaccaacc acatatagta 180
gacaccatct agaatgttgt ccccttcatt gatttaacgt cattcaatta ggttgctga 240
caaacaattc ataaagtgat atcaaaaaat cgaaatcata agcaatttaa cattatttat 300
acatcgtaa ctgatatcaa gatattcaag acataaaaga catcctagat cgggaaacat 360
aatgacaga gaatgaatac c 381

<210> 17154
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17154

ttgacctatg cgccaanaaa atttcagatt gcattgacta atctagatcg cacaatttca 60
aacttgagtg ttgttcacac gtcaattcat cattaacatc cttgtccaat gtctcaaaaa 120
aagaaacaat ccatattgca ccaactaat caacaatgca gataacatcg attgttcaca 180
cgacaatgaa tcattacgtc ctctattgaa gtgtaagtta tttattaaaa gctctcatag 240
aaaaaatgg gttattttaa aaacataaaa aatcacatt tttaaggtgt atttttcaaa 300
aatcacac gaaattgtat ttttgtatgg tatttctaga aactacataa cgaanatgaa 360
acttngtgt gtaaatttga aaaaatatcc tacaaaaacc tgttttcatt nntgtgtttt 420

tcctcaacgg aataatattt tca

443

<210> 17155
<211> 443
<212> DNA
<213> Glycine max

<400> 17155

atgaagctaa ctaaagtaaa gatacatgaa cacctctaca ctacatatag tgagtgtttg 60
ttaaaaaactt tcccatgtta acgaacattt tatccaataa cagcccaatg ttgcttctat 120
aattacttca tgattatatg agaatgcttg gttgaagcgc ctcacacgat aatccataat 180
catgtaccct tattttaaact ttacacaca cttacaagtt aacagaatac ctcacgatca 240
aacctatccc cagctatcac aattcaacct tcatctagat atttcttaag attgctgtcc 300
aatacaattt atcctataaa aaaaatcttt actaaataaa atggtagggt ctctgagcat 360
tgtagtccaa tattaaatct tttctgata acataaaata atttctctt cttctatttt 420
gagttactct ttacagtgg aca 443

<210> 17156
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17156

gtaatgtatt tataattttt ggtgtccatc attattatta taaatgatgt aagtaaaaaa 60
taataattaa tattacataa acaaaatata atgacaaata ttatttaggt gatattatta 120
ttaatatttt aacaaatttg cggcggagtt aaactaagct gcccaatggc cagatttata 180
atgacttgct tgctattcta caaaaggata aaacaaaag tcaacgtcta gtttggttaa 240
ttacatgaac ctctgatgg ctctgactgc aatttaaaga aaacagaaaa gaaacttgct 300
tatatgacca ccatttctta ttttcacaca acattgggtat tttttatgtc taaatccaca 360
nacttttggt tagtttggtc agtaaaatca gacataaatg aaatacacct tattttaatt 420
atctatgtga at 432

<210> 17157
<211> 418

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17157

cttcaaactc agcttggttaa caatatacctt tanataagaa aaatgtttat aatatcttat 60
caatactaata taatgaactt aaaggcgaaa tacggaagat aaaaaattac aatgttcata 120
ttttttatga tttatgcatt taatatTTTT tttcttttaa tttcttaact aatatctaaa 180
agcgctaatt aacaagaacc ataaaagtaa accaatgagt aactaacaat cccgttataa 240
aaaaaaaggt tatcatcatg tcttttttgg actaatcata tcatacctatg atttcatttg 300
acaaataata aagttaaaaa tgaatcgaaa ttaaaatata taggaccgaa taggagttat 360
gagttaatat atttaattaa gacacatatc tgtaacaan attgatacag cttgaatg 418

<210> 17158
<211> 376
<212> DNA
<213> Glycine max

<400> 17158
ttctattaag aagctgatac tctattctga tatectatct aatagttcgg ttgtacttga 60
tagtatagtt attaaatcac cttagatagg atcatcttat caccactaat ctatatattt 120
taaaaatatg ttgattctag gagttagctt tccacagcta tcaccacttg tttatgtata 180
catgaaaaca ttcaagagat aatcacactc agattattcc cctaaatttc tttctttaac 240
attgccaaga aggctgtcag gcagtcaaaa agtggttgaa taagtgggtca ttggtttcaa 300
agcccaaaaa gatgtagtat gtgttacatg ggaatgggca tagtaaccaa tttgattaag 360
accttctcgt ctgatac 376

<210> 17159
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17159

nttgaaatca aactnttcca ctggttatcg attacatgaa actggaagtc gatttccaga 60
gagtaaaact ctggtaactt aaaaaattnt gagaaaaact cttttgaaaa acaaaactgt. 120

gctatgtttg ttttttga aaatcttttca atacttccca tgtgaggtct tcttgatttc 180
 ttctctctaa tcttgaaatc aaactttctct tgattcttga atcttcttga ttcttctctt 240
 gaaatttata ttgatcttga acttgntgac tcaatcttga aatcattctt tngagctttt 300
 tgtcatcatc ttgtttatca tcaaaactac ttgaatcaac ttgattcatc atcatgaagc 360
 ttgcttctac agtctctgcg tgtcaacggg ctcac 395

<210> 17160
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17160

ttntgtttta tttcctaaac actttttaat gtctgttcat tttctctttt ccaagttctt 60
 tcttctaagt tagtttgga tctttcaccc accaaccat cccatgtaac gaaaacatat 120
 tangtaaagg taaatcaaag tgttttatcc aataatgtca ntccaaattg gtagttggaa 180
 tacttcccaa ttaaaaaacga caagttaa at gtaaccaccc tataaattaa gtggaagtat 240
 taagcccatt tgggctaata tgggaagatt gagtcagatt gacagaggca tttcatacaa 300
 aagagtatta ataatagtaa catacaacgg tattaatatt atggattaga ctgtg 355

<210> 17161
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17161

tcttagtctc aactgatgaa gatgtaattc gggctactct atgcactcct ctaatgacaa 60
 tagcatcatt tttggcacta aattgctagg agtttgaagc catcttctca attaaatttc 120
 tggcttcaat aggggtcatg tctccaaggg ctccaccact ggcagcatca atcatacttc 180
 tctccatgtt actgagtcct tcataaaaat attggagaag aagctgtctca gaaatctggt 240
 ggtgagggca actgacacat agtnttttaa atctctccca atattcatat aggctctctc 300
 cactgagttg cctaatagct gaaatatact ttctaattgg cgtgggtccta gaagcaggga 360
 aatttttttc tgagaatact ctctt 385

<210> 17162
 <211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17162

ntgacggggt tgggagacga gtttttagagg gggtttgaca ttttaatat gagtttggtg 60
 tgatgagata aagttgtatt gataactaatg tgtttaatca cattattgga gtacgatgag 120
 gaagatgaat aagatactat ggatgctgtg taaagaatgc tagccatggt ggatataaat 180
 aaataaagggt ccgacaaatt tgtggggtag cggtggctga gttgctcact tgctcacgag 240
 ataatcttat ttacgaagct atgcagtaca ttacattgat gcttgtgtac cttttatgcc 300
 actagtatga gcataaatca catgcgtcaa gttttccatg tgcatactac gttactacct 360
 gcttatccgt ccaattgatt agatgtacta ttat 394

<210> 17163
 <211> 362
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17163

ntcacgctct cttcttctcc atcttagctt tcacgctttt tttttttttg catctaaggc 60
 ctctgttctc cgtctacctt gaagctcttt cttctgcac tacctgaagc tctctgttct 120
 ccaactacct tgaagctcat ttctgtataag ctcgagcatc gtttccgtcg cactcgagca 180
 tcgtcataac tctctacttc ttctccttcg ccaccttacc taggtatggt tcgtctaatac 240
 ctgtataaat atttgattgc attcatgtat cgcacactta gtgaagtaaa catgactagg 300
 gtatctcata tttaactgag atctccttac ccttactgtg ttcttgataa gaggagcacc 360
 cc 362

<210> 17164
 <211> 410
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 17164

tgttagcaatt cttctaggct tggagtcata acatgcaatc ctctagaacc cttacctccc 60
actcttttctg tataaccgaga ctcggaacc ccaataagtt ttgcctttnt aatgtactcc 120
gaacaaaact taatagcttt ttttgccacg taccttttaa caatagatgc ttcaggatag 180
tgtaaattct ttgcataccc ttttatgac ttcatgtatt gctcaaccga atacttgcat 240
tggaataaaa caaaaccaca acatttaatt tccctcacca gatgaacaat taatagaacc 300
atgatgctga aaaacaaagg aggaaaatac atctccaatg gacataagat aataacaacc 360
tcattttcta cctcatctaa cttgacagga tcaatgcact tgctacatat 410

<210> 17165

<211> 372

<212> DNA

<213> Glycine max

<400> 17165

tcaccggatg atgccgatcg aacatttcct aatttacatc atccaatttt tattcagga 60
ttgaattgaa taaacaatgg ccggtgtcgg tcttttatatg gccccgactg atatctttca 120
gccgacattg cgcaatttct tttacaaaacg ctggccgata gtgttttttt ttacgctaga 180
ggaagttttt tgttttggtg ttgtataaaa aatgtacaac gcaggtcggc tatgttttac 240
cgtgcgagct caaccgatgg ttcgttccga cagacactgg catgttggtc ttctcattta 300
cgaggctcag acaacgttgg ccatcccgcc aaaaacaaaa aaaaacattt ttacggaatt 360
gatcgaaaaa at 372

<210> 17166

<211> 394

<212> DNA

<213> Glycine max

<400> 17166

tgtctcaacg tttatgagc acggagacca acatgctagc tatcatcgcc aagtaccaag 60
aagagttagg tctagccacg gccacgagc atagaatcgc ggacgagtat gctcaagtat 120
acgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt 180
ggatggatcg gtttgctctt acctgaacg ggagtcaaga acttccccgc ttgttagcca 240

aggccaaagc gatggcagac gcctactccg cccccgaaaa gattcatggg cttctcggt 300
 atgggtcaaca tatgatagac ttaatggccc acataattag aaatcgttag gaaactcgta 360
 tgggctctca gaccctgact agatacgact tcct 394

<210> 17167
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 17167

ctaataaatt gggctctaatt tgcccatcag acatggcaag ttaagccaaa ttttaatttac 60
 tttacctcac ggcatacaagc aatttgcttg caattccttt tcttctgtta gagggagcaa 120
 cccaaatggc cctaatacca caagcagcga tgggttggttt gctatcacag aagattgcac 180
 cttccatcct ttcaaaatca ctcaaggaag caactttttt ttcaacctcc ctttggaaaa 240
 taacattccc aaaccgaaaa gtggtagaac gcgtcctcac ttcccttttc ttcacgctat 300
 caggagagcc agacacaact ttgaatgcct tttcaatggg ttctgcaacg aggcactcca 360
 caacctgtg a 371

<210> 17168
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17168

tcagatcaaa gcaacacaaa atctaggtat ccaaaacccc tcaatttaatt ggattttcaa 60
 ggtttgagaa gtgaaattgc ggatggggta aatttgagac aaactctcac ctacacagag 120
 tctataacat caatttaaac ttgtttgaac gggattcaca cctaaaattt caccgaacca 180
 aaatttgact cctcaacacc caattttacc ctagaaatgg ctctttgttc actttgggtca 240
 tttgtttttc tctctagcac agcccanact ttctcataag tcttaaataga catttcaagc 300
 taggattaac tcaactnaac ctccaaatac cactaaatcc agatttggcc ttccaactct 360
 caaacctca ctctttttcc actcataaca ccatattctc actttct 407

<210> 17169
 <211> 427

<212> DNA
<213> Glycine max

<400> 17169

tgaccaatcc cgacccaacc cgggcatagt cggtcattga gaacctgtga tgtacctaaag 60
caggcgagct cctggcagtc aacagataaa aggaaaacaa gaccacaaag caaggaggct 120
tgtggtggct ggccagctgt gaattttgtg taatatgtgg attgtggcct ctggtaatcg 180
attaccaaag gtgagtaatc gattacaagg cttaaaattg aggacaggag gctaagatgg 240
tctctggtaa tcgattacca aagggtgtaa tcgattacca agcttgaaaa cgaagtcagg 300
aaacttaagg agcctctggg aatcgattac cagcctgcgt aatcgattac acagaggaat 360
gggtcactgg taatcgatta ccaggcatgt gtaatcgatt acacagtgtg ttattgcata 420
attcatg 427

<210> 17170
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17170

tatccttatg gctggcctcc ggatttcact ccccggtcca ccccgaaaga tctaagccaa 60
gccctactt ttgaggggca actccgcct tatgacgact atcccggaaca agacgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atccgtcccc ccatgaacta 180
ccccaccga acatagtctg ccatatccca gcctcaccca caccgtaaa agaattctgtt 240
cccttcgcgg aagataaggg aaagattgag gcgcttgaag aaaggттаag agcagtcgag 300
ggccttggca attaccatt ctcggatnta acagaattat gtctcgtgcc caatatcgtc 360
attcctccca agttcaaagt atcggaactnt gataagtaca aagggacgac atg 413

<210> 17171
<211> 259
<212> DNA
<213> Glycine max

<400> 17171

gaactagttc cgctccggag tacgacagtc accgctttat gagcgctgta caccagcagc 60

gcttcgaagc catcaaggga tggtcgttct ccgggagcga cgcgtccagc tcaaggacga 120
 cgagtatact gattttcatg aggaaatatg ggcgcggcgg tgggcaccac tggttactcc 180
 tatggccaag tttgatccag aaatagtcct tgagttttat gccaatgctt ggccaacaga 240
 ggagggcgtg cgtgacatg 259

<210> 17172
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17172

ttgtgaactn tanataatat tagctagaat ccattatfff aacttaatgt acaatcatgt 60
 acaagatgat tctaataatt aatggctctt ttacgagtta tgacgtacgt aaaacgatgc 120
 acttctatgc ttaattcggc atagttttta ataaatcaac atatataaga ttcgtatgac 180
 ttcattgactt cattaattaa tgattntacg aatttcatcc atttttttta tatcgtgctg 240
 ccttttttac ttcttctatt ggaattagat aagataaata catgtgtcgg agtaaaatac 300
 agataaatta acattagtta cacaataaac ggttgtacat gtcagatata tatgtgggggt 360
 ctatgcaaca catctcatgt tcaaagagaa ttcgtcaaat gaaatgaggt tatcaactca 420
 atcgagtag 429

<210> 17173
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 17173

tgcacttata gcttctaaac aaatatggag aacataagta tgttttctct acttcaaaat 60
 gagggggagt atattgataa ggatgtgaac attgttctat ccctactgtg agatgctaag 120
 aaattcttag ttaacacatt ccttactcct ttcgtgaagg gtctttctgc aaagccttat 180
 atgtagaaat gtcattctatt tcttataaat ccttgggtta gaataatcca agaaaagtgc 240
 agaaattcct tagatatttt cttaggatga aatcattgta attcttagca agacaaaaag 300
 aacatgtgga ctaagtatct tttgtccttc tccactttgg ggctttgtcc tttctcactt 360
 tggccttctg ccttctccac ttggacctt 389

<210> 17174
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17174

tgattcatga ttcaattcat gtatctttcc attattaacc gaaatatcac taccaccaac 60
 agctctcttg atggagcttg ggtatttcat taactgacca ataccaaaac cagaatttat 120
 tgtaacacca gagtcttttag caaagttcac ccctttatca ttgttcaaac atttattggt 180
 ccttatgccc gaattgggtg attgtcttcc tgtgtggccg taatcagaat acagtttctt 240
 gggcatgata gggctgccat cattccacan aatttcacta gtttttgtct tcccccata 300
 ttgatcatca aattgcagac atggtgaaaa agataaaccc ttggccacat ttttaggttc 360
 tgatctagct ctaccagaag cattaaccac agcagacata tatgtctttg agttaagctg 420
 a 421

<210> 17175
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17175

tgtactgtaa tagaattggg gcggtcatga ccttatgggc tcatattggg aaccgcgaca 60
 ggtagacttg ggatattttg aagatatatg ctaatatatt tagaattttt tttaacaaaa 120
 aaaagaaaga aagataaaga tatacctaaa atttgaacgt gtcttccaga gtacagggtca 180
 ttttacccta ccattttggt tattttaaga tcttattaat gactagctta agaatatatt 240
 aattaaat atgtaatgta ttttcattct taattgcttt aaaatagtat attgaacant 300
 ttttatttta atataaaaa cattttatta aatatgtgtt aatcttattt tttagttaaa 360
 tttttaaata aattaattaa cattatntat tttgtattat cattctccta a 411

<210> 17176
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 17176

tgtttgtcgt cttcaacgtt ctctctacgg gcttaaacia gccagccgac aatggtttac 60
caaactatca agtttcttag tctcccatgg gttccaacia tctaactcgg accactctct 120
tttcttaaag ctactaagt cagccactac tatactcttg gtgtacgtcg atgatatcat 180
actcacaggg aacagtatgc tggaaatata agatatacc accctcttgg attaaacatt 240
caaaataaaa gatcttggtg acttgaaggt ctttttgtga ctcgagattg cccgtaccaa 300
tcatggaatc catthtatggc aacgaaaata tgccttagac atthttgtctg attcagatat 360
gctaggatgc aagccacact cgacacccat ggattatt 398

<210> 17177

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17177

ntatatcatt tcaatgacta cacaagacct tgcctcacat atatttcctt tggaattccc 60
aattcttaga gaaatgggag ttgatcaatg tatgattttc ctactagagt taagggtccc 120
acctttgttt atctttcatc cctcattatc ctcaagttgt ccacaatcat gcttatcttt 180
cacccttttg aggatattgg atgatgaaag acaaaciaag gtgggaacia taattttgga 240
aagaaaatca actatttcta gaatagggaa ttccaaaggg aatgacggga gatgtcttgt 300
gttgtcattg gaatgataaa caattttattg actctctgat ttataatgtt atatatccag 360
ttataacag acgattacia taactttatg t 391

<210> 17178

<211> 444

<212> DNA

<213> Glycine max

<400> 17178

actatcaata ctacgttaa cattcaattt cgaggctctc gatataattac tgtacttaat 60
caagcatcca agaaaaaatt tattgtcgtt tgaatttgct cagagattca acattcaatt 120
tcgagcgtct cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt 180

ttgaattggc tccgagcttc aacattcaat ttcgagcgtc tcgatatgtt acgagactca 240
 atcagacatc cgagtaaaaa gctattgtcg tttgaatttg ctcagagatt caacattgaa 300
 tttcgagggc ctcgatatct tacgggactc aatcagacat ccgagtgaat agttattgtc 360
 gtttgaattg gctcagagct tcaacattca atttcgaggg tctcgatata ttacgggact 420
 caatcagaca tccgagtaaa aatt 444

<210> 17179
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17179

gagacagccg aggggagaac agtgcgaagc cccccccac agggtgactt aactgaacaa 60
 ncaaannccg gcaagaggac aagaccgatg aaaagcaagg ccaggagaaa aaaccggaga 120
 aacccgaaag accggaaaaa cgaaaaaaga aaaacgggag agcaaggaaa agcgacgaca 180
 aagggacacg aaaaaaaaca cacacaacca caagagaggg aaacgagcaa ggggcgaaac 240
 cgggacacgg gccaacgcga aagagggggc acggaaccgg accaaagacg aacaaaagcg 300
 gggaaagggg cagacgcaga 320

<210> 17180
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 17180

gagagcttcc gtgttcaatt tcgagtgcct gtatattgat gcgcctgaat cggacatccg 60
 agtgaaaagt tatgaccatt tgaatttctc gagagcttcc tatgtttaat tttgagcgtc 120
 tcgatatatt atacgcctga atcgaacctc agtgtaaaaa gttatgacca tttgaatttc 180
 tttagagcat ccgttggtca ttttcgagcg tctctatatg tgatgcacct taatcggacc 240
 tccgtgtgaa aagttatgac catttgaatt tctcgagagc ttccgttggt caatttcgag 300
 cgtctcgaca tattatgcgc ccgaatcgga catccatggg aaaagctatg actatttgaa 360
 tttctcgaga gcttccgtag ttcaatttcg agcgtctgga ca 402

<210> 17181
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17181

tacataatat aaatgtgtgc aattttatta caggttcaga tgggtgaagta tggacatatt 60
 agaatatttt ctttatctgt cactttattg aaatgaccat ttttttaaaa aaaatttgaa 120
 acaaatacaa catgttcttg ttattaaatt ttgaaaatta ctttccgaca aatattgggc 180
 ttatgaaaag tactttctag aatccaatat caaaattgaa ttctaaatac tattntccaa 240
 aacctataat tatggcgtct gaacaaaata tattttacaa tgatatttaa aattgtgtat 300
 ttcaaacaaa gaataaatct cataacgtac tttcttgaat gacgatatat gagtatttnt 360
 ttcaataaaa gtggaatgaa t 381

<210> 17182
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 17182

ttatacatag gatacaccta caaaaggaaa cacattaata gttattattt atagcaggtg 60
 ccttggtctt aaagatgcaa gttttcaaaa ctctaaaga caacaaatct aacatgggat 120
 cagtgaacaaa ccgtttcaga gatttgatga attatttctt catgctcttg accggcacga 180
 tgaatgtccc gcataacacg cttgacaaga tcaaaatgaa ctccaccagt gacagataca 240
 cgaagatcaa gcaaaggctg taattttgtc acttaaggca tagatgcctt ctatgattac 300
 aatacgagag ccagggactt caacagtcct gtaaggataa cagtaccaa gatatcaaca 360
 aaaaactaac atatcccagt gccaa 385

<210> 17183
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17183

tatgataaaa tctgggactt agccttggtg gaagtctcca cagaggccat tgcctccctc 60

ggctagtatt atgatacagcc gttgaggtgc ttcacctttg gggacttcca gctatcacca 120
atggtagaag aatttgaaga gatcctatga tgccctcatg gggaaggaaa ccatacctct 180
tctcagggtt ctatccctca ttagctagaa tttccaagat agtccaaatc tcggcgtagg 240
aattacacca caggaagcaa gtcgaaaatg ggggtggttg aataccgaga aaatatttgg 300
aggcaaaagc aagagtcttg gcaaagtaag gtgagtgggc cccgttcata gatattctcg 360
cactgttaat cttcggagga gtctcttttc cgaatgtgga tgggttggtg gacct 415

<210> 17184
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17184

aatgtctctc aatcaagttc ctgtgaaatt attgaaagca taatggttat gcatttttgt 60
tnttattttg cttcatctct gtatatcatc acaacttcag aggcttggtt ctaggattca 120
acttccaaag gcttacttac tctaatatat ctcttattca agttgttctg tgagttttcc 180
tgtttttagtc tgaagctctg agctttgttt gatagatatg ccaaaggcaa attgcagttt 240
ctaatttggt gaaactacaa agattgagtt tagaactgat agaagagtta ccatgtgtat 300
caaactagca ttagaaatcg gtatgggtgt ttgctntttg cgttcttaac tcttatacca 360
tactagaaac tacaaagaag tgattggatc ttcactacca ttgtggt 407

<210> 17185
<211> 82
<212> DNA
<213> Glycine max

<400> 17185

cccagcgatt atatctacta ctgtgtgatg ttgcatgaat tttgcgactt aaactactag 60
ataaggtctc ttgatataaa tc 82

<210> 17186
<211> 192
<212> DNA
<213> Glycine max

<400> 17186

cctagagggg atggaccttt ttgggtcctt tagaggatca ataacaatgc ctataggttg 60
 taccttacia aagagtatgg agtccacacc acttttaata ttcttgattt aattcctttg 120
 taggtggagc tgatattgag gaggaagaac caacctattt gaggttcaat tctattcaat 180
 gtggagggat ga 192

<210> 17187
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 17187

tataattatt attgtttatt gttttgtgtt tcttggcaga tggagtcaat tcaacaaaat 60
 tataatgatg attccatgga ccattcatct agtagtcctc cagggttcgcc tgatataagt 120
 gacgtagtcg gagccctgcc gttggatcct cgagttgggtg agaaatacca ggcggaggtc 180
 cctggcatca taaaagaatc agaacggctt caactttctta tgaatcctgc tgattcagaa 240
 gttatgcttg ataactcgct ttcttttagca attggcttgc ccattctact cacatggata 300
 ccacatgaag tggacgaatg cggcatgaaa ggaatcttgc cgactttgat ggtacagtca 360
 atacatatga actagtgaag gaaact 386

<210> 17188
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17188

cttgtttaat gctattccca gctctttagt ttatttaact ttgttctcca ctattctctt 60
 tattttgtga ctgggtcaat cacttagggc aattgtagaa gagtttttta tatttttaaag 120
 gtatgatttt tgttacta cctttttcat acgtgtgacg aattatttga tagcacttga 180
 gtcgcaaadc ttgattcact ggtcaacggg gtaaagggtt catttggtgc ttgtaatgta 240
 ttataattat taataataat gtcttggctg ttcgctttgt tttctcaaat tcacattagt 300
 attcgcaact taaacaaac taatgatcct gtcccacaat ggaaatgtaa aacttgtttt 360
 ttaacttatc tggt 374

<210> 17189
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17189

 ttganagaca acagaggaca gtgggcccc cactacgaag ggcctttcgt tgtaaaaagg 60
 gctttctccg gaatggccct ggtgctcacc aacatggatg acgaggagct accttcaccc 120
 atgaactccg atgttgtcaa gcgatactac gcttaagatc tggggcaatt gaagaagtcg 180
 ctgcatgttt gttattttta ttcttatgtg ttctttctgg tttccccag ggattcctat 240
 cctctgtaat tttctcatcg caatctttta aaagacaaga acgtacgatt gaggttctgg 300
 tctctgtgtt gtgctttaca atatgtgtag tatttgataa cctgagcctt ttcgctcagt 360
 ccatgggatg cccaagngc ttaaatgaaa c 391

<210> 17190
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17190

 nttgagcaat tcanatggtc ataacttttc actcgtaggt ccgattcatg cgcataatat 60
 atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaattg tcataacttt 120
 ttactcagat gtcctattca ggcaaataat atatcgagac gtcmetaatt gaacaacaga 180
 agctcttgag aaattcaaatt ggtcataact tttaactcgg aggtctgatt gaggcgcatt 240
 atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 300
 cttttcactc ggaggtccta ttaaggcgca taatatatcg agatgctcga aattgagcaa 360
 tggaagctct tgagcaataa caatggatcat aacttntata ctcgagggtc gatngaggcg 420
 cataatgtat c 431

<210> 17191
 <211> 379
 <212> DNA
 <213> Glycine max

 <400> 17191

aaagcggttt ctaatgactc ctctacggct tccacataag gcatagagga tgggcagctc 60
 accaagatgt cttctcgcgc tgatacgatg accagatgcc cttccactac gaatttcaac 120
 ttttgggtcga gtgttgaggg aacaactcct actgagtggg tccacgggcg cccaacaga 180
 cagctgtagg ggggggtaat atccattatt tggaaagtaa cttgacaggt gtgaaggcct 240
 atctgtactg ggagatcgat ctctccccta acctcttggc ggggtgctgc gaaggcacga 300
 accaccattg aactccgctt aagtgggaag cattgaatgg taatttctcc acagtgtctt 360
 ttgcatcacg tttaactga 379

<210> 17192
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17192

tctggaattg caattngaa gtaaccattt gaatggaact attccttctc agattggtta 60
 caagtataac ttggagatag ctttaaattt gagctataac catcttcatg gaccattgcc 120
 cctcaatta gcaatagggg tggaaatagg ccaggctggc ctacaagagc ctacgaccta 180
 acctacataa agtctggcct aaactgggtct gtttaattaa aatgttaagc cgagactttt 240
 ttaaaagcct attaaattaa atagactatg ctttaagctta ttaaaaagtc tcataagcct 300
 gataggctcg cctatatata tgtatatata cttatattaa tttttgcgta ccaatatata 360
 cttatattat tnttgggtac aattaaattt ttttaaaaac tattgatata cattactgtt 420
 catacttc 428

<210> 17193
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17193

tgngtttggg tttgagtttt ctgaacctcg agggtttggg tttgggtttg gattaatatt 60
 aaacaacttg tcttaatgcc aattgaattt gagatagaat tcaacacctg gcttttctga 120
 cttgtcattt ctgcataata tataagtttg tgacttttgc tgaaatttat canatagtct 180

tgacaatttt tcctgagag taacactgct acgcatatcc taatagaaag aaaccaactt 240
 atgggaggat aaggaaggaa atganactca gcttcgactt agacctagac atgtgtttaa 300
 agattgaaca aaagcaaggc agatttctga cagggtttgt cagattacga ttcattcaca 360
 gagcgattct tacatagtga anacaacacg aaatatagta tggataagac naatatattt 420
 aagcatatat ata 433

<210> 17194
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17194

ttaagatgtg ctcaattgtg taaccacat atatatatat atatatatgg gtagtagttc 60
 atactcacgt aaccacaagc tgcaataatg tgtgaacatg gatagtgaag cgcaaaatac 120
 ttttcgcatt gacaataatg gccattcaag ttaacagccc acttttgtcc gccacgttgc 180
 gttataagat tgaaagtctc ctctacttca aacctttgcg attggatatt atagacgtga 240
 acgatgttgc gaacaagctt gtcttgaatt ttcctaaggt ctttaacaac cttagaacaa 300
 tatacttgtc cttcatttaa atggccttgg gcttggcgac cacgatgaac aaagtacttt 360
 caacacctac tatatgttga tttcaccagc gctattatgg gtatgttgtg acaatcct 418

<210> 17195
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17195

tgctggcctc aaacttgcta ataatatgct gccacactta cgcacattta gagcttacct 60
 ctaaaggaat accaaggtaa gaaaaaggaa attccagttg gctgcaattg agagaagaag 120
 ctgcctccct acaccagccc acagatttac ccaaacaccc aaattggctc ttattatagg 180
 ttatctttaa accagaaacc aattcaaagc ttttcaggat acactttaaa actttaacat 240
 tatcattagt ggcagtccca aagaacaagg tgtcatcagc atattgaagt atattaactt 300
 cctcttttnt ctttcccact tggcagctat tgaagagatt cttttctact gctgatctca 360

tcaaccagct aatgccttcc accactatat taaatagcaa aggtgcaagg tggtcacctt 420
gccttaagcc tctc 434

<210> 17196
<211> 322
<212> DNA
<213> Glycine max

<400> 17196

tcaagctctg ccgatttagg tccgccagtt ttaggatcgt ttgtgtctga taacaggcac 60
atgtgactat cctgctttga tatataagaa gcctacggaa aatggagaga ataagaatgg 120
ggtagaaacc cgtgtttgta ctgtcattcc tacttgggca aattatccca ctggctcaac 180
aatatcaata ctcagccaaa atcacgcctt cttattacac accaccctac cagccaagaa 240
cacccaatca tgcataaaag ccaccctaa atcaaccaca gaacctgcct gctgcacaat 300
cgaggccaga caccaccct aa 322

<210> 17197
<211> 372
<212> DNA
<213> Glycine max

<400> 17197

tcagcacaat tactatttct caatctcagt ttataatac caattactaa gtccttttta 60
actagacaat tgagggtgtg catgtttaca tgtgcatccc tacgaagcaa tagtcaaaaa 120
tcacaaatct tattttccaa gcaactaagc tcacgatatg atgcatgttc aatattaagc 180
atgtagatat tacctatttt tctacctatg tgaacaacct cactagtttt tgcttcacaa 240
atgagacaac aattcttggt gaatgcaatt ttgaagcctt tgtcacatag ctgacttatg 300
ctcaagagat agtgcttaag ttcacaaaca tatagaacaa ttttttttat tcgagaattg 360
tgcttaattt ca 372

<210> 17198
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17198

tagctacaca cagcccctct cataactaag ctcaacttct tgagaagctt ccttaagaag 60
 attcctaaag aagatagagc ttagctacac acacatctct aatagctaag ctcacctct 120
 tgagatgaga agctagagct tagctacaca cccctataa tagctaagct caccacata 180
 acanaatata tgaaaatata aaaaattccc tactacaaag actactcaa ataccttgaa 240
 atacaaggca aaaaccctat aatactaaaa tggccaaaat tcaaggccca aacaaaggga 300
 aaacctattc taatatttac aaagataagc gggctcatac ttagcccatg ggctcgaaat 360
 ctaccctaag gatcatgaga accctagggc ctttccttag atctc 405

<210> 17199
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 17199
 aaggcttgat atgtttctat acatgtaa atgttcagcct ccaagcataa catttttgaa 60
 aatgagaa atgtgtgta catagctcta catcaa atgt taaatgaatg gatctcaagt 120
 gagcctattc tcattcaatt aggataatct atatgcatgc accctcctgc atgtgcttat 180
 aaaagatcac tgctagatat ca 202

<210> 17200
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17200

actaagcttg tgacacgccg gagattacgt catcttccgc gcacacaaga tctgtcatac 60
 tgacatttga gtcacgctga cgggcggaaa taccgagtg gttatccgta taaacattct 120
 tttgctgtct gtaagacaaa aagcctgata gcacgcagag actaacgtcg tcttctgcat 180
 ccttcgtcaa tcgcggccga caagcccggtt ggcacgcgga gatttacgtc atcttccgcg 240
 ctcaagat ctgtcact gacatttgag tcacgctgac ggacggaa at acccgagtgg 300
 ttatccgtat aaacattctt tttgctatct gtaagatgaa aagcctgata gcatgcagag 360
 actgacatcg tcttctgcac ctttgttcc cccgngaca acaagtcagt tgcatgcaga 420

gatattntat ggtcacccgt

440

<210> 17201
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17201

gtactctagc ttaaagattg gctaagattt tgttaaaaca taagcactta nacaatgaag 60
gaaagctgga gttgctgcac atgatgtcca acgttatgtc aaagaataag atcgggctgc 120
acaatgcaca aagcaagata aagtgtcaaa tgaagaattg aagctgcagg attcacgatg 180
tcggatataa tgtccaggac atcctgcctg aaaatactgg aattgctaaa agcattgaag 240
ctgcaggatc cacgatgtcg gatacaatgt ccaggacatc ctgcccgaaa atactggagt 300
tgctaaaagc atttgaagtt gcagatccac gatgtcggat acgatgtcca ggacatcttg 360
cccgaaaata ctggacatat aaatctgtta tatctttaac agattattgt gcagttagca 420
agagattaga tgatctatct t 441

<210> 17202
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17202

agtagaaaca tgggaccaac tcattntatt tcanaaagaa agtcgtatct agtcaaggtc 60
tgagagacca tacaagtttc ctaacgatnt ctaattatgt gggccattaa gtctatcata 120
tgctgacaat agccgagaag cccatgaatc tcttcggggg cggagtaggt gtccaccatc 180
gccttggcct tggctaacia gcgnggaagt tcttgactcc cggtcaagggt aagagcaaac 240
cgatccatcc acatgggtgc ctcttggtgt aaagagtcga tcacccttcc tctagcctct 300
ntttctgcgt atacttgagc atactcgtcc gcgatcctat gctcgtgggc cgtggctaga 360
cctaactctt cttgggtactt ggcgatgata gctagcatgt tgggtctcgt ctcgcataaa 420
tgctg 425

<210> 17203

<211> 429
 <212> DNA
 <213> Glycine max
 <400> 17203

agtcacttca aacattgatt ggatgcataa gtactaaggc tctattaagc tattgttaca 60
 acctacgacc gctgaccagg ttcttttatt attattatta ttattattat tattattatt 120
 attattatta ttattattat tattattaat tgttttgcct ctgttgaata gaatgaacaa 180
 ttacccttta ggaccttgat tcaatgtagc atttggaat tggcctcctt ccttatgtgt 240
 atatcttggc ctctctactt ttgtttggaa tttctattaa ttgttttgtg aacttagtat 300
 aatttttgtt gagcactgta ctgcatttcc actgtaaaaa atataatcat tatatatttc 360
 taaatcaggt tatacatata tctgataaac aattgggttag aattgatatt tttattgatg 420
 tcattgtga 429

<210> 17204
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17204

tctgttctga attcgagcat ctcatatact actggaaaca atcggacatc cgagtaaaaa 60
 ggtttgttgt ttgaattttc taagagggtta tgatttcaat tntgagcgtc tcgatataatt 120
 acgagactca atcaggcatc cgagtaaaaa gttattgtcg ttagattttt cttagagctt 180
 ctatttccga ttatgagcgt ctgatataat tacgagattc attcggacat ccgagtaaaa 240
 agttattgtc gtttgatttt gctcanagct tctgttatga atttcgagtg tctcgatata 300
 ctacgggaca caatcggaca tccgagtaaa aaggatttga catttgaatt tgctcatagc 360
 attcgttgtc aattacgagc gtctagatat attaaaggat tcattcggac atccgagtaa 420
 a 421

<210> 17205
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 17205

ntaatactat tcaatgttac accatcatat agactatata acgattggtg gcggttgtgt 60
cggcaacgat aaccgtgata atagcgggtga caataataat aacgatggtg gtggcgatga 120
tggtattgat ggtggtgata atggtggcaa tggcgatagc ggcgacaatg aaggcaacaa 180
caatgacggt ggtggtggcg gcgacgatgg tggcgacaat ggtaggagtg acaacgccag 240
tgatggtggt gtgatggctg tcatggtgga gaagcgatga tgggtgggaa gatggtgatg 300
atggtggtgg cgatgatgac agtgatagtg atggggttgg tgagggcaac tatectattc 360
tgttgctctc taaccaattc accccc 386

<210> 17206

<211> 327

<212> DNA

<213> Glycine max

<400> 17206

acacgacaat atagggaaag gaatcctaca gatgcagcgt atctgacctt ctctgaagag 60
aagagtcccc tgcttgtttc acatcttcca actgatcttc agacagcact tcattgaggt 120
cagcagaaga atcgagagca tttctcttac tacctgccat agatgccctt tctaatgatg 180
cgtccattac agcgctattg ccagaaccag aacagtcatc agaggagtca agcagcttga 240
tctgccccaa accaataata attactacaa agacataagc agctacagca caaaaattgg 300
tgggaactgc acacctctat aacatta 327

<210> 17207

<211> 422

<212> DNA

<213> Glycine max

<400> 17207

tcagacaaaa gcaacacaaa atctatgtat ccaattcccc tcaatttaat ggatgttcaa 60
ggtttgagaa gtgaaattga taatggggta aatttgaagc aaactctcac ctacacaaag 120
tctataacat caatttaaac ttgttcaaac tggatttaca cctaaaattc caccgaacca 180
aaatttgacc cctcaacacc taattttacc ctagaatggc tctttgttca ctgtaggcat 240
ttgtttctct ctctagcaca gcccaaactt tctcataagt cttaaagac atttcaagct 300

aggattaact cactttaacc tccaaatacc actaaattca catttggcct tccaactttc 360
 aaaaactcac tcctttttcca ctcataccac catatcacac tgtctaacc taggtaactc 420
 ta 422

<210> 17208
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17208

gtttcatgta aaacttcaat taaatattaa taattgatac acttgagcca tagtttttaa 60
 actcagacta gtaattgact tgattaaggt accagattag tgggttactg gttaaactag 120
 tgggatcaca gattgaacca tatgaattaa tataatatta aatacataat ttttaaatta 180
 aaaacatact ataatttatt ttttatcata catataccag aatcttgtgt tgctatagag 240
 gtaactatat ttttaagcac cctaaggctc aataactctc aaacacctcc aaaatttctc 300
 tactattaga catatacgag caacaagtgc actcatagcc aagtgcattg gacaagcaac 360
 atgtgatgtc aaagctaaat 380

<210> 17209
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 17209

gctgaagctc aaggaatagc ttgaagatag tttttgtaga aactttggct tttacatgcc 60
 caacttcctt aagtgcatt tgtattggtt gttatcttag gtgctgcac ttagtacact 120
 tgatatttgt gttgcatcat gaatcatcat ggtagtggg aaaaaaagtt tcttcaaagg 180
 aaaaaactct atgttttaat cgattacaga agtggcataa tcgattacaa ccagatgtct 240
 gaatcttaaa gaattgagtc tcgtatcagt ttaatcgatt acagtagtct cataatcttg 300
 attacattgt tgtttgagac aatgaatgag ttatccaaga atcctttgtt ttaatcgatt 360
 atcaagtgga ttaatcgatt acttctctat g 391

<210> 17210
 <211> 373
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17210

cgagttcaat aagataattc taatggagtc tctcctcctg ggtnttgaga aaagcttattc 60
tacgtggaaa tgcagttaat cccatataag ttacgatgca caatgagaaa aataaaatcg 120
cacatatgct gggttactctt ctatatgaaa aaaaaagata aggattaatt gcaccgctag 180
atttgcttta agctccattt ctatatcgat acattttata caatcttcta aaccactggt 240
acttctacaa ccactcttgt atctgtatat tatacaacct ttactccctc aactgcttcc 300
cactttcagg tactcactct attccaaata atgcatgcat taaatgttca tagataaaaa 360
taagtagcta ggc 373

<210> 17211

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17211

nggtgcacaa tgtcggcatg aagtcactcg tgaagtaggt tctataagag atttgtgttta 60
cagttccttg aacctgattg ttaattttac attgaagaat atgtggggat ttaaaaataa 120
taacactttg ttaaagctta ttgagaaggt gaattcaata tcaaaatatt agcacatttg 180
atcttctgca acacttatag actagagatt agagattaat tcacatttcg caatcatggt 240
tagcaactct tggacagctt gtggattgat agaacaaaag taatgtaaag gcaaaaagaa 300
cttgactaga aacatatgtg atgaactaag gtctacgcta atactggcaa aaatgtcact 360
gttggttttt tttaaataat gcttttataa ccattctaaa aagctgttca agataatgta 420
tttttgact agtgat 436

<210> 17212

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17212

gtatgataat tttcatgtaa caagctaaat tatattggat aactctgata aaatagtttc 60

aactcaagac aaattgtaga catagctaaa aagtgaaaat gatcatgtan gctgagaatg 120
atggctctga acttaatagt aggatttatt aacttataga tggaggaaaa gactaggtag 180
atgctaagaa ctatttcctt ttggatgac tcctttctaa acttactctt ttttctctta 240
ttatgaatgt tgnntttcct ctattcattt agttcattct ttgctttcat aattaatagt 300
tttttctttt gcggaatttt ctaatatata tgaccgagaa tgaatttttt gcattgacct 360
attaaaaaat catactacca ttntcagcta ccactattac gcctttgatt ataatgtcat 420

<210> 17213
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17213

ttctggtggg acatcttcac ttgctttcca atctgacatt caccacagat tctgccttct 60
tctattttca aattgagaat gcctctaaca gcacctttgt caatgattat cttcatgcct 120
cttaagtgca gatgtccaaa tctttgatgc catattctga cttcatcttc tttggaggat 180
agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttgtt 240
ctgctgcctt tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg 300
aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360
cccttcacca gcagtactnt gtccagacta agaagtccat catgggct 408

<210> 17214
<211> 365
<212> DNA
<213> Glycine max

<400> 17214

agattgagcg agttgatttt agccttagtt tcaactctagc tatttgtcaa ttcaattaag 60
aatgagaaat cccaaagaga aaacatctga ttgatctttc gcttttattt tactaaaagg 120
tattttctga ttattatatt tatgattgta ccccttattt tgatttccaa cgtgggttacg 180
gcacgaccga acggtcggaa ttcattttta ccaaatttaa cggatgatac aagtcaaacg 240
atcgggtggaa atttattttta ttttttagatt aagcgaaaaa tgacttaaataaat aaatggctta 300

agcacgtcaa aagggggtat aaaaagtaaa tggaaacgag aataaaaata catgaaacac 360
aatgt 365

<210> 17215
<211> 407
<212> DNA
<213> Glycine max

<400> 17215

atagacaacc gtttgtcact gcgatttttaa cagtaactac aaagtttttaa gagtctccac 60
gaccatggga catttgattt ctacaaatta aacagaccag ttgtctaagt ccatgttcaa 120
tcattttaat tggtcggatt gatatgctct cttcaagcaa caagagctca aaattttgaa 180
ctaagcaagt gaaattgtaa tcataagtgg gtcttacagg taccaagggt ggtgttttta 240
aaactgtagc atgacatata ataggggtcca gtacactaca acacaacatc tcgataggat 300
aaagagtggc catctgaaaa atcgagctca atatattata gtaaagtatg aaaacaccag 360
ttttttaccc tactacaatt ggtaatatat cttatgttca gcttaca 407

<210> 17216
<211> 407
<212> DNA
<213> Glycine max

<400> 17216

tcaagaaaaa gatggcctca gcaaattcct tatttccaga agggaattct atcaatagac 60
ctccaatctt taatggagag gggtaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatatc tgggaagcca taaaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240
gagataaatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
taataacata tgccctagga atggatgaat atttcagggt ttcaaattgt aagagtgccta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaaac tacagat 407

<210> 17217
<211> 412
<212> DNA
<213> Glycine max

<400> 17217

tccatcactt ttcacacaga ggtcagattc gggctcataa tatgtcgaga tgctcggaat 60
tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat 120
tcgggcgcgt aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca 180
aatggtcata atttttcaca cggagggtcag attcggggcac ataatatgtt gagatgctcg 240
gaattgaacc acgaaagctc tcgagaaatt caaatgggtca taacttttca cacggttgctc 300
cgattcacgc gtatgacata tacagacgct cgaaattgaa catcgaaagc tcttgagaaa 360
atcagatggt cataactttt cacacggatg ttcagagtaag gtgcatcaca ta 412

<210> 17218

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17218

gtgcggattt agtnttcgcc agtgtaagga ttgttggtggg tctgaaaaaa ggaaaatttg 60
atcatcctgc tttgacaaat aaaaagcttg gggcaaatag agagaatgag aaggagggag 120
gaaccattt tgtgattgtt attcctacat ggccaaattt cccaccagct caaaaatgtc 180
catactcaac caatatcggc ccttctcatt acccaccatc ttatccacca agaacaccca 240
atcaaccaca aaggccaccc ctaaattcagc cacaaggccc gcctgccaca cttcaatacc 300
aaacaccacc cttaacacaa accagaacac caaccaggga aggaattttc caacatagaa 360
gcctatagaa ttcaccccaa tcttggtgtc aagctaactt gctcccatat gtactc 416

<210> 17219

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17219

tgtaattcag taatacacca ttaatgacag attgattctt atttcttcta tgtacgttat 60
atgcttggtg taggaacctt tgtacgttat atacatcata ttggatgttt gcgattcctt 120
gtttgtagca atgctaattg cttatagttt gatgacctgt atcaagctat atttcttaag 180

[illegible]

| | |
|-------|-------|
| <400> | 17220 |
|-------|-------|

| | |
|-------|-------|
| <400> | 17221 |
|-------|-------|

<210> 17222

<211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17222

 tagtaagcgt cgttctcgtg ttacttaagg atgttcttag tgtgcaacct aagtgggaga 60
 ttgagaatct tgtacgtgta gtactcatag aaacgctgaa tcgcaatttc tgggagatgt 120
 ctggcatata gttttttaag agtatagagt agttacgaaa gttaccagaa gtagttagga 180
 tgcctagtgt aaaaccttaa gggaatgtaa agtcgttagt aaggcggtgc tctgttgaac 240
 atagaggggt ttaagagtga gtgttcttgt caaacgtaga tggntacag gattgctgat 300
 gatacttgta tgattaatga ggtgggatat aacgagttac tgccaatagg ggaccaaata 360
 tttttgtaca actttttttc ccaaa 385

<210> 17223
 <211> 352
 <212> DNA
 <213> Glycine max

 <400> 17223

 agcttctttt ggaccttgaa caggcaacta actcctcttt caaaaccatg ctatgtgctc 60
 gcgactggtc cccttcttac ttctgcaact agagttcact attgctaccc cataaagctc 120
 cgcgaaatth gttccggcca tactctatct tgcgagccct cttggtctct tgttcaaggg 180
 ctcttgcaat aattgcaatt ctcttcccgt aaccggcac acatccttcc gaacgtgtgt 240
 agcggccaac ttgaacttct ccttggcaag ttttgccttt cctaactcgc ttttgagagc 300
 ttggacttct tcgtcctctt tcggtgcttc aaaaatcttt ttgctgacga ct 352

<210> 17224
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17224

 gcgggacntt ataggatcta atgcgtagtc annacacttt gnaaacnnat ctnttcaacg 60
 anannnctgg annanagtng tgggtgtgggt ttttatgtag atattntaag aagatatgtg 120

taggtatata agatatagaa aaattattat aatgggtttt gaaagnaaaa gagaatggga 180
aatattggta ggaaaaattg tgattaattg tatttanaat tggttataaa aaggtaatga 240
tataaaaaatt atttggttaat taaaaaagat aatataatga atagttttaa ttattttatt 300
aatagatatg taatagtgtt gtaataagta attattgtat agtataaaaa aatattgata 360
taaaagaatt taatatattt gaagaagaaa taaataatag tattataata gaaataataa 420
aatatataat attatatgta aattaattga aaaag 455

<210> 17225
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17225

agctttatga cactagtcct tggaaaactt tattttaaca ccaaggcaat taccacggct 60
gttcttaaat ccatatttac agaacaatt tggggcatgg ggctcaatac acatcaaaaa 120
caggttctaa atatgtatta gactaacaag gcattccaatt agacaaagag agacatagt 180
ctctaagaat caaattcgca tgcaaattga aaattatagg attaggaaaa tcctcacctt 240
tccccaccta tctttactct tgaaaaccca aaatgattca agctctagct tctcttttcc 300
ttagagagaa atacatgaag aaaggatgga tgaagattat tcctgcaccc aaatggagat 360
tctaggagct ntaaaatcca ctct 384

<210> 17226
<211> 430
<212> DNA
<213> Glycine max

<400> 17226

agaataactca cgcttaccga aagtaaatat taagatgtag catttttcat tctaagataa 60
ttagtttatt taacatttac tcttaatacg acttatacag tgactagggtt ccaattttca 120
tttttaaaat gaaaatatta ataacttata aaaataacaa gtgcttggtg gaccaatagt 180
gttttaggaag tataagttac ttgtcatgtc taggtaattg tcctatttta agtttttagtt 240
aagttttaat tagttaactg ctagaaagtt tttggtgaaa ttttacta ttaaaaagtt 300
ttctctaattg ttagcattag gcacaaaact tatttgtacg tgtaagcact taaaattgag 360

aaacgtaaag aaaaataatc gagaggatct tttcttctga aattttaaag tgagacacag 420
ataaggatta 430

<210> 17227
<211> 169
<212> DNA
<213> Glycine max

<400> 17227

tatgcatgct cgagcacact ggaggagaac cggcttccaa cctcgaattc tttctatagc 60
gcgtcgaatt acaactggac gcccgccgca ttacaactga aaaggctgag aataccgtgt 120
ttgctcacia cttaatcgtc ttgtctcaga gtctcctttt atcacatga 169

<210> 17228
<211> 345
<212> DNA
<213> Glycine max

<400> 17228

agcttccatt ttcaatttgg agcgtctcga tatattacgg gtgtcaactg gacatccgtg 60
tataaagtta ttgtcgtttc aatttgctca gagcttcggt tctaaatttt gagcgtctct 120
aaatattacg ggactcaata agacatctga gtaaaaagtt attgtatgtt gaatttgcta 180
cgagcttccg ttttcaactt ggagcgtctc gatataaac gggactcaat cggacatccg 240
cgtataaagt tattgtcgat tgaatttgct accagcttca gtattcaatt tggagagtct 300
cgatatattt cgggactcaa ccagacatcc gagtaaaaag ttatt 345

<210> 17229
<211> 395
<212> DNA
<213> Glycine max

<400> 17229

tgtagcaata tcaaacgaaa ataactttat acacggatgt ccgaatgagt ctcgtaatat 60
atcgatacgc tccaaattga aaacataagc ccgtagacaa ttcaaaggac aataactttt 120
tactcggatg tccgatagag tctcgttaata taatgggacc tccaaattga aatggaagc 180
tcctatcaaa ttcaaagcag aataactttt tgctcggatg tacgattgag tcccgtacta 240

tattgagatg ctcgaaattg acgacacaag ctctgaacaa ttttgaacga caataaatat 300
 attctcggat gttctattga gtcccgtaat atatcgtgct acttccaatt gtaaattggaa 360
 gctcgtagga aattcatacg acaataaactt tatac 395

<210> 17230
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17230

agcttctttt gtaccttgaa taggcaacta actcctcttt caaaaccctg ctatgtgctc 60
 gcgactggcc cctttcttcc tttecgcaact tgagttcact attgctaccc catagagctc 120
 cgcgaaattt gttccggcca tactcttccct tgcgagccct cttgggtctct tgatcaaggg 180
 ctcttgcggt aattgcattc tctttccgta acccggcaca ctcttccga acgtgtgtag 240
 cggccaactt gaacttctcc ttggcaagtg ttgcctttcc taactcgctt ttgagagctt 300
 ggacttcttc gtgctcttcc ggtgcttcaa cactctcttt gctgacgact gttaacttgg 360
 cgagccaatc taaacct 377

<210> 17231
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 17231

tagcctgctg cgctaagtgc ccagtcaaaa tttcagtttt attttgatgt ttttgtgaaa 60
 ataacctgtg ctaatctctt gtgttttgtc ttatatatttg cagatggcat ctaagaaaag 120
 gagggctcct tctacacctt cccaagtcag atttgatctg tctcagttca catctcaaga 180
 agcttgtgag aggtatacaa atattgtggt gcctaggaaa ctactaccag agaggaatgt 240
 gatagtttat tacactgagt tcgacaagtt caaggaggaa cttgagagaa gagactacga 300
 tgaggagttg actgatttta atgacagcag catagacatt ggcattgtga aggaatttta 360
 caccaacctc tacgacctcg aggataaatc acctaagcag gtgaggggtga gaggtcactt 420

<210> 17232
 <211> 344

<212> DNA
<213> Glycine max

<400> 17232

tatTTTTgag ccaaaatcct gactcaccat aaaccttgac ccaatgtgag aatgcctatc 60
cttattcctcg gaagcaaaat aagaagagaa ggaaaatttc ctatcaacgg ataaaggaga 120
aggaaaattt tcaatcaaag aacaagagaa agaaaatttc caatcaaagg aaaaaagga 180
agcatagaaa tatccaatct aatagtggga gaacgaaata aatgattgaa aggaaattcc 240
caaccaaaga atggggagaaa gtaaaaaaga agaaagctcc tgatcgaaag aaaacataac 300
atatgtgcac agaggtcttt ggaccagacg ataattgaac tata 344

<210> 17233
<211> 260
<212> DNA
<213> Glycine max

<400> 17233

cctttgcatt tcatttatat catacagaat tgaacatata aatgaatccg aagactttct 60
aggcttgtat gggtaggca gccacaatc atgtttttta ggattgaaag cttaggtcat 120
gagagattca tctagaatac cttcactttt tttattcatc ctaccctact cgccttattt 180
agcacttact ttattatttt gacataccac ttattcttct attgtcttac agtttttcta 240
cacagaaaca ttatatacat 260

<210> 17234
<211> 385
<212> DNA
<213> Glycine max

<400> 17234

tagctttata aacaaaaaca tcataaatta aaacataaga aaagagttca attgtatatt 60
tgaattgttt gtgaaatttt ttgacaagt ccaaactttg tctaagacag aagaaatgaa 120
cttttaaaaa gattcatcct aaggtgaata tataaataat tgtgtctagc ttgtaggaaac 180
acaatttata aaatacttaa gcaaaaatct ttttgataac ttacaaactg tacaactaaa 240
tctctctttt aattaggggt aagtttacga cgattcaacc ttattttaat gattatcact 300
aagaaaaata atatcatatt aaacacaatt agccaacatt atgtattcca attaatttga 360

ttcttataat accccaattg tttat

385

<210> 17235
<211> 429
<212> DNA
<213> Glycine max

<400> 17235

gacactatag acaactccac gcttaggatt caacattaat taccgtgctt ctttcccact 60
tggtgaatta tatgcgactt tatctagatg aaaacgatcg aattctactc cctgcgggat 120
attggattat atctgggcca ccaatcccgt ggaagaatca ttggaaagga tgggaaacaa 180
caccggagga tttgaatgat gagcagacca aaattgagaa tgtagccaaa agcctgtgct 240
ggaacaagct actggagaag gacgatatag ccatttggca gaaagccaag aaccatttgg 300
attgcaaagc caaccgtaag ctctctcaca atctgcctct ctgcaaggca cacagtaacc 360
ctgacacggc ctggtatgtg cttcatattc cattgtccct tgtatttcat tcacgaaata 420
tttccatct 429

<210> 17236
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17236

ttgcttctat ataagcttaa ccattntatc aataaagaca agtggagtnt tattcataaa 60
attagagttt atctctttta tcttagtgag agtgattctc ctaaattctt gagtgattca 120
agaacacctt ggctgtatca aaggactttc acaacctttg tgtggtgccc tcgctggaca 180
gagtgattct ttccttccct tcattctcac ccttgttctt tcaaaccaca attccagaaa 240
atccacctct gccagaatt atctcgtggc cataaatccc attttaagca ctcaaattaa 300
gtgattcttg agcctaaatt gaatttcaaa acgagacctt tcacctcggt ttggaatcac 360
ctcattggga gccctg 376

<210> 17237
<211> 408
<212> DNA

<213> Glycine max

<400> 17237

tctctagagc taaggatggg aataacttag attaaatttc agtcatccac ctcacttagc 60
gtgacctcta cgctaagcta gccatagccc atgtgctgag cgagtaacac tctcgcgtaa 120
acacatcaac ccccatctat tgggttggtgg ggtcccgcga agtgagacat ttgcgctaag 180
acaaaaacct tctctggttg cgcatttatt gaaattaggc taagtgagta agtcgcgtaa 240
gcgcgacatg gtctcccgcg aagcgcgtat atgtgctaag cgtaaaagtc tctcaatttg 300
ggctttcatg gtaattatgc taagcgaacc atctcgctat gcctaaaagt ctctttggaa 360
tggcaatcgc gcttaacgag accatcttac taagcgaac ccactact 408

<210> 17238

<211> 713

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17238

caccctcact ttctacgtta aatcgagata gcgattcgca aattaatacg gttctnntcc 60
cagcccgcac aatgaatgat gcatgtgata cctgacatac acagactgac gcagatccag 120
actagcttgt taccagctct gctaggcttg agcaccttct gattgcttcg aaggcttggt 180
ctagacctcg aggnactact cttncaccaa gactataacg agctagtcag atcatctcta 240
gacaagggaa ctctcatatt gttactacac aatgacatgg tgctgactaa catacatcac 300
atcgctctag tgaaattcgc agacgtttgt gcataacact gtctcatgag cttccacctc 360
tncagtttgc atgacatgga gagagtgata ctgctcaata cgcaagtgcg ataccattat 420
ctaataacg acttcgcgtg gctcggact catatctcga attctctcgt ggacacacgc 480
caaatcatag ctgtgtatat tcagtcatta catcatgtgt acacgtcacc agtctacacg 540
agtatcgtgn tcgatcatgc gtcaatctgt acagtccact aanatacgcc gcgaatagct 600
gtgnatngta ctcagataga tcgtggactc gacgttacgt aatgagcaga catgataacg 660
tattcgatga tgatgcaccg tggaggatac tatgccgacg ctctacgaca ccg 713

<210> 17239

<211> 422

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17239

 cagcttattg tgtntatct tcgtattatc ttctcttgta atcttttaag gagaaattta 60
 tctaaacagg atccacgtct agaactttac gtgtcttttt ttacaagat aagctgtatt 120
 gtcttggggc cgcacccatg ttctcattgt tggttatcct agtgccaagt tgtacatgtt 180
 tgtagcgttg cttaattata ctttacaata ttaattatca attttcttgc aggatggaag 240
 aattaactat gatgagtttg tagccatgat gaggaaaggc accccagata taactcacat 300
 aacccataga cgtcgcagat aaccctgca ttgctttgtt ggggttcagag tgtctacacg 360
 ttttatagta taacggcctg ctatttgatt cattagggcac ttgcatgata tttgtgggtc 420
 ta 422

<210> 17240
 <211> 364
 <212> DNA
 <213> Glycine max

 <400> 17240

 agcttgagat gaggaagtgt agaaggggtga aacttctctgc ttttattcgt tgaccacaaa 60
 gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtggggtgct 120
 attgccccaa accaagcttg accaatcccg acccaaccg ggcatagtca gttagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaaag gaacaaagac 240
 cacaaagcaa ggaggcttgt gtggtggctg gccagctgtg aatcttgtgt gatatatggg 300
 ttatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttataaatga 360
 agac 364

<210> 17241
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17241

 tctacagaag gtttgttctt aatttctcta caattgcctt acctctcaat gagctgggtga 60

agaagaatgt ggcatttact tggggtgaaa gacaagagca agcctttttt ttctcaaaga 120
aaagctcatc aaggcacttg ttctagctct tcctcacttt tctaaaactt ttgagctaga 180
at ttgatgcc tctggagtgg gagttggagc tatattgtta caaggcgggc accctattgc 240
ttatttttagt gaaaaacttc atgggtgcccc cctcagctac cccacctatg ataaagagct 300
ntatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360
cattcatagt gatcatgaat cacttaagta cattagatga cata 404

<210> 17242
<211> 377
<212> DNA
<213> Glycine max

<400> 17242

tcaagcttgg aaccttattc atcacaatcg ttcccagtct cacaggtctc accgcctctt 60
tggactccga cattgcaaca cttggtgatc tcctattctc tgtcactgat aatccattca 120
aagggtgacg tcatgtccct caaaacttat gatcatgcgc taaaacctta tcttgcatte 180
ttttttcctg ttactgcatg attttatcgt cgttactaca tgcgagcgat gatctttttc 240
tcttaattat acttttgaga tcatctggat actataatta tgcgataata atattttcat 300
aactgtat ttctcaaaa aagaagacac tgtctgccag ataaatgtta caattttcgc 360
tataaaacac tatgttt 377

<210> 17243
<211> 410
<212> DNA
<213> Glycine max

<400> 17243

tgcgttgtaa aaggatctgt ttggtagggt aacatttgag aatggcaatg gtgagcataa 60
ttaaactag ccattaat ttacagaatt gataaatgtt taatatgatt ttacatagac 120
cggaacatg tagagattat tcaacactga aggaatggg gattgagggt agaatttttg 180
aatgcaaac atgtttgaca agaatacctg agttaccga ttaaacaat tattcaccat 240
tgtactgaga ctttgtgtaa aggttgacta attctgaagt catatgattg gaagccctag 300
aattggggta ccaagcaaga tcaacaattg ttgatggggg agacattact gcttgcaaat 360

aggttgaatc aaggcttgct agttgccatg agagcctgtt gctgctgaaa 410

<210> 17244
<211> 383
<212> DNA
<213> Glycine max

<400> 17244

agcttctact tatgtggcag ggcgagcttc cttcactttc ttgcctcaac cgcgagcttt 60
gaccaccgct ctttctttcc gtgatgcttc tctttatata cgctgagtg ggtttatagc 120
ctaaaccata cttccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt 180
ctttgctaa acccattccg ggttcgtaac cgttcccca ctaactcgg gccatcatta 240
ctgctgcac ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca 300
cctcaaaaga ctggaaagcg gtttctaata actcctctgc ggcttcaca taaggcatag 360
aggatgggca gctcaccaag atg 383

<210> 17245
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17245

tcatgatgaa tcaagatnga ttcaaagagt tntgatgata actaagatga tgacaaaaag 60
ctcaaaagtc aagaacactt catgataaca aagatgatga tctcaagaat caaagaatga 120
gttcaagatt gaatcaataa cacttcaagg ttcaaaagga aatttgattt caagaatcaa 180
gaatcaagaa tcaagaatca agttccaaga atcaagatca agattcaaga ctcaagattc 240
aaaaatcaag agaagactca atcacgataa atattaaaaa gtttttttca aaaactgagt 300
agcacatgna atttttctca aaacctttta ccaaagagtt tttactctct ggtaatcgat 360
taccagataa ttgtgatcga ttaccagaag cataatgtgt tttcaaaaag cttcaactga 420
at 422

<210> 17246
<211> 384
<212> DNA

<213> Glycine max

<400> 17246

agcttatcaa catcaaactt ggagaaagag ttcttggggt caagacatga gaagcaatca 60
agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180
cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
acacacaaaa tccttggaca tcggcaaaaa aattattcca gccactctct ctcatgtgct 300
ccaaccgagc ttgacaaca tcaactaatt ctctttgcaa tatatttgaa agctcgtttg 360
tttctatga cctggatcac gcac 384

<210> 17247

<211> 423

<212> DNA

<213> Glycine max

<400> 17247

taatatctaa gctaacagaa ttatagcata aagcattcat gcttgacata gaaaaggccg 60
aagtattgga ccctgttctt tcgaaaatgt tctcgatttc ttgcaattaa agttatgttt 120
gagaatacct aactgttggg atcttatttc aagaccgca acaattcttt cctttaattt 180
gttatttcat atagtctttt gctttacatt agacaactaa gagtttaaga tcaaacataa 240
tgtcagtttt tatagttaat ttattttcta gcaaaaagta cttatcttat actaatatgt 300
gcgattatat atgattcggg ctcttactaa aatttcatat tcgactccta taaattaaaa 360
aacgtgatta aaaaagatat cattaaaagt gaacaaaatt aattcatact cgatactcat 420
gat 423

<210> 17248

<211> 386

<212> DNA

<213> Glycine max

<400> 17248

agttttcccc tcgactctcc gatataaaaa ccgtctgctg cctcccagca gaatcagcca 60
caaaaaccga attcctcttc tcgtcatcac ctaaaactag tgccataaaa ctaattggac 120

caatggatag acttccatga aacacagtct gggtaatgga aagcgaatac gagtcgacaa 180
 taagaatagt gcatttagga ggcttcctag gctgagtttc tctatcaatt actccttcat 240
 ttccttcaaa agaacacgct atacagacat atctcggcgt tgaaggcaaa gttcgaatta 300
 tgcggtgagt gccaacccaa ggtggcaatt tcctcctgca ccggcaatga ccaactggttt 360
 tgctccaaac acacaaaaaa ccatcg 386

<210> 17249
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 17249

tactgtgttt tatcttcgta ttttcttctc ttggaattgt ttaaggagaa atttatctaa 60
 acaggatcca cgtctagaac ttacgtgtc ttttttttac aagataagct gtattgtctt 120
 ggggtcgcat cctagttctc attgttggtt atcctaatac caagttgtat atgtttgtag 180
 tgttgtttta ttatacttta caatattaat tatcaatttt cttgcgggat ggaagaatta 240
 actatgatga gtttgtagcc atgatgagga aaggcaaccc agatataact cacataaccc 300
 atagacgtcg ctaataaccc ctgcattgct ttgttgggtt cagagtgtct acacgtttta 360
 tagtataacg gcctgctatt tgattattat gcactcgcat gaatattgtg ggtctacact 420

<210> 17250
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17250

agcttgtgaa agccaccttc acaatcgaaa ttgttgaaat tgctacaaat ttctagaata 60
 ttcttaaata taatatgtat gaaaatggta gaatatccta gaactatagt gtgtatgaat 120
 atggtagaac aatctagaac tataatgtgt ataaatatgg tagaacaatc tagaactata 180
 agtgtatata taagatagaa gaatctagaa ctatcatgat actaatctat catgaaaact 240
 ttagaaagac ctaaagtaat gtagaagcat tcaccaccat tgagagggtg gtgacttaag 300
 cctataaata ggcaattggt atgttgtaat tggatcatca agaaatcaat gacatatcct 360
 tctttctaaa acaattctct a 381

<210> 17251
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 17251

gcttctggta gttcttaata tctgggtctgc tcttgagact gaacctgcgc tccttctctgc 60
 aactcgtaca atgtaggaac tcatccctgt gaaagtttcg tttcctcatt gcagtgtctt 120
 tccagtttagc cacatttgcc tgggtgtgtg aatatttcgt cagaggtgtc ttccagagtg 180
 gaactctatc ttcattctca caatgaaccc agatgttgcg cttccacctt ccagtcacctt 240
 ctttcaaagc atgcttctca aacgcttctg gagtcacatt cactgatcca aataataatt 300
 gtaaaactaa attagtgtaa taagattatc tattatctat attttacttt ggcttcttat 360
 gtttaaaaag ttgaactttg gtctgagtggt ctttattaga ccacattgat cctttcgtca 420
 c 421

<210> 17252
 <211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17252

cctctaccac ncgtcaccac ccttatgcaa gtagcagggg cgcacgtcca ctctcaaca 60
 ccncatcccc ggganacccc tttgagtcga tgctgcgaa aactgcaaa ccngagaacg 120
 acacagtcaa cagcctcagg aggaacgggc gctttccgtc gccgaaacct catgcaggca 180
 gagactgaga agagcacagg gacatatcca atcacgcata ccaagacatg acacaccacg 240
 acgccatgac cggcgaacta acgtgcaacc aagagagaca acgcacaact ccctccgagt 300
 ccaagagagg acaaccggac gcatgcaacta ggcgcaaga tagacgacat cacaacgcac 360
 cgggagagga ctgcgccggc accggggaca ccaacaaatc ccgaaccag gcgggcgcca 420
 gcgcgcctag cgtactacac acggaatatt gagcgccaag accacacgcc atccgaataa 480
 caacggaggc gaatccgttc ccctcaagca ggggggaaac atcccggacg ccgagcacgc 540
 acaccacccg ggagaacccc gcgcagcc 568

<210> 17253
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 17253

ttgctttctt aagaaaactt ccttgagaag tttctttgat aaaacttcct tgagaagcta 60
 gagtttagct acacacaccc gtctaaaaac taagctcacc tccttgagaa gctttcttga 120
 gaagctagag cttaactaca caccctata atagctaagc tcaccccat gacaaaaaaa 180
 catgaaaata caaaaaaaat cctactacaa agactactca aaatgccctg aaatacaagg 240
 ctaagaccct atactactag aatggccaaa atacagggcc taagatagga aaacaaccta 300
 ttctactata tacgaagaag agtggacceca accttggccc atgggctcaa aaatgtaccc 360
 taaggttgat gag 373

<210> 17254
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17254

acactatana caactcatgc ttaagccttg aattgagtgc cattaccgtg ttgattttta 60
 agggagacca tatctgtaga tgaggtgttt ccaggtgaac ttttctacct ccctaactga 120
 aatatcttgt aatggccttg cctcagtcca cttagtgaat tagtcgatgg tgaccaataa 180
 gaacttgacc actcctatgg cttttggcaa tgggttcaat atgtccatgc cccatatggc 240
 gataggccaa gtggaactca agctatgggtg gttgttggga ggggtgcgtg gaacatctgt 300
 gaattcttac ctctctgta agtagaagggt ggcagccaat aatatccgat acacaacact 360
 ttggttgcta gggaacgacc tccgatatgg aggccacata ttctttcatg ttagtatcgc 420
 atgacatagt c 431

<210> 17255
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17255

ttgctttgtg taatcgatta cacttatttg gtaatcgatt accagtgact gtttctgata 60
 aatcaaaaga tgtaactctt caaaagggtt ttgacttttt caaattgggt ttaaattttt 120
 ctgaaagtta taactctact aaatgggtct cttgactaga cacgaagagt ctataaaagc 180
 aagggtttgt tttgcaaatt aaattaattt cattctttca tactttactt ttccaatcaa 240
 tcctttacaa gccttgaatc tctttgaact tcttcttctt ctttgtagca aaagctatct 300
 gaagttttct ggttttccaa accttgaaaa cttgcgctat tcctcttttc attctcttct 360
 ccctttgcc aaaaagaattc g 381

<210> 17256
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 17256

tgagatgagg aagtgttgaa ggggtgaaact ttctgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggg ggtcaagaga ccttgtaggac gtcaagtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aaacaggcga gtcctggca gtcaacagat aaaaggaaca aagaccacaa 240
 agcaaggggg cttgtggtgg ctggccagct gtgaattttg tgtgatatgt ggattatggc 300
 ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttaaaat tgaagacagg 360
 aggctaagat ggtctctggg aatcgattac c 391

<210> 17257
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17257

ccgcgacgca gcgtcccgcg cantcagtgt gtgtgaaaga atacatatca aaagtaccan 60
 tgcataatnt gnanncnnn aaggagggtt atttgagcgt cgaaaacacc agaggatagc 120
 actcgcgcg gggcacctag aagacgacct gcaggcaagc ttgcttaaac acccaacccc 180
 gagcgtatgg atagatcacg agactatatc ataaatacga gtaaaaagaa attgccggaa 240
 gaaggcacia caggctacac caacagtgtg gatgaatatg gaagaacacg gtacagcaac 300

aaagagcata aataagggaa aacagcctag gacaagacgc gtagctataa cataaaagaa 360
ccaacgacta gcatgatacc aagccatcat gagaaattca gaaagaccga aagtgacgta 420
taaacagtca ccaacattga gaggttggag acgaacgcct atacataggc acaaggtgag 480
tcgcacatgc tcatacaaaa gaataaggac atagacttgg ctcataaaca aaacactaca 540
accg 544

<210> 17258
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17258

ttcaaacgac agtaactgct tattcggatg tccgattgag tcccgccata tatcgagacg 60
ctccaaatct attgttgaag ctcttagcca cttcaaacga caataacttt ttactccaat 120
gtctgattga gtcttgtaat acaacgaaag gctcgaaaat gaatgtcaa gctctgatcc 180
aatacatacg acaataactt ttactcgga tgtttgattg agtcccgta tatcttgcca 240
ctctcgaact tgtatattga atttctgagc ccatacctaac gacagtaact ctttactcgg 300
atgtncgaat gagtctcgta tatatcgaca cgctcaaact gaatgtgaag ctctgattaa 360
ttcaacga 368

<210> 17259
<211> 379
<212> DNA
<213> Glycine max

<400> 17259

ttgcttatga gcctaaactt gaagcttcaa tgcagggaaa catgcttatg gctacgaata 60
caaaatttgg tattaggatt aaaaaacat gaaaataggg acttggttgt aagaatttgg 120
gctgccccat gattggcact ttgcaccta gtaacgtggg agatgctttt caatggtgtg 180
tagatatatg tgtaaataa aagggcata aattctttgc aaaggagac ggagtattga 240
agacccttcc taaatgaatg tatgatagca cgggattccc ttttgaatgc aagtatgtgc 300
ataatgttaa atatcttgcc aatatgcac agtgtgagtg aaataatgaa agattgcatg 360

gtatagatat tctgagtgt

379

<210> 17260

<211> 562

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17260

ccccaaactgc tcacnetacc actctcaata tatggcgctc gatgtgtatt gttaatgttt 60
agtagcgctc ttactctcta ccctacgana ccgcganna ttgaatcgat accatgtcga 120
gaccgtgaca ctatccaata ctccacgctc aatactgctt tgcggacttg ctcttacatt 180
tccatgtgga cgtcttttgt gtgaatgagt gaaatgttat gacatcccgc ttgaacgatt 240
aagatgagga agccgaagga tttggctatt cactatggag gtgcacatgg ggcaactgaa 300
agctttatag tgcctattta tccccacccc taaacttggt tcttcctatt tgtgcaatat 360
cttcttcatg gcggccggcc acccatcctc agaggtcatt actaaatcat cctcggggcc 420
tggctacgga cttctttcgt caatgagcat ctttttaacc cacgggctaa atctgctaaa 480
tggattcttg caccacatgt cagaaggtaa gcgccacata gtcgactaag ctaacttgac 540
ctatagcaga gctactcctg cc 562

<210> 17261

<211> 379

<212> DNA

<213> Glycine max

<400> 17261

tgcttatcat tagagatgtc agaagatagg gtttaaagt ctataggctt ttgaagagct 60
tgtcgttaaa gattcatcac tatectttat ggggtgcttac ttagtgtaca atcaaatgaa 120
aacacattat attacaccaa gagaaaaaaaa aaatccaatg acaaggaatg gctaattatt 180
gttaccaagt gatgtctttc tgtctaaaca atgttgaagc aacatgccac acatgatgag 240
ctaactgctt aagtagtaga ttggaaagat gttcgaagtt tacatcaatg aaatgaacat 300
caaaagcact caagaagatc atatttatga cctcgtcaag ttcttttagc aatcaatggt 360
gcacaatatt atcctaaat 379

<210> 17262
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 17262

gacctatgaa actcagctgc ttttgtcaaa gggatgagcc ggcgttttaa gttttggtat 60
 ttcttggttg atcatttgaa gtcattcact tacatttagt atttgatat atatatatat 120
 atacattgat ctatgcgtgt gaaatcattg agttttccga taaatgtaaa agctacttga 180
 ttcaagacat tctattgctt tctgcaatta ttagatatt ggagtctata ctacaaatgg 240
 tgaaaatagt ggttcacag cacactaaat attctaaacg atgtctcggt gtaggcgttt 300
 attttattta 310

<210> 17263
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17263

agcttgcccta attcacctga aattgagaga aaatgattgt taaatacaaa aaatggaagt 60
 actaagtatt tattatctat gcttaacaaa agatacttat aacactacaa aataaccata 120
 aattggaaga gtttgataca acttacacaa gctttataca caaaagtttag tcgtatttac 180
 cggctaacaa ctcccccaaa ttacagttt tgcttgcct caagcaaaaa gagaacagct 240
 cacttgcct caagtgacaa taacatgcag tgactatgta caatggtgta tgaaacaaat 300
 gttactgatt gcatgataat agaatgaagc attctgtact catcacttgt ctttcacaaa 360
 atatgcaact attcaaagag 380

<210> 17264
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 17264

tgcttgtgga gcttctatgg aggctggatc tttaatcttc aatgaggtcc ttcaatggtg 60
 attttccacc atggagatgc agtgaagaa gaaggaaaag gggtagagagg agacaccatc 120
 cactatggaa taagacatgg aaaaaggagc ttcacacca ataatgtgcc ttggataaga 180

agcttggaga ggatgcttca atggaggaaa agaaagagag agagaaagag agagggggggg 240
 ggggagcatg aaattgaagg aagaaaaagg agagagaagc ttccttgata aggggcacga 300
 aattgagttg tgtctcacia gactctcatt catcaaagtt acaacaagtg ttacacatgc 360
 ttctatttat agactatgta gctttcttga gaagctttct tgagaa 406

<210> 17265
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17265

agcttggttg gtcgcgattg acgaagggtg taaaagacga cgtagtctc cgcattgctat 60
 caggctttct gtcttacaga tagcaaaaaga atgtttataa ggataaccac tcgggtattt 120
 ccaaccgcca gcgtgactca aatgtcagta tgacagatct tgtgagcgcg gaaaatgacg 180
 taaatctccg cgtgtcaatg ggcttattgg gccgcaattg atgaagggtg cagaagacga 240
 tgtagtctc tgcattgctat caggctttct gtcttacaga tagcaaaaaga atgtttatac 300
 ggataaccac tcgggtattt ccaaccgcca gcgtgactca aatgtcagta tgacagatga 360
 ggtaaaactc cgtgtgctc 378

<210> 17266
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17266

ntgaggattt ggtctttgcc agtgaaagga tcgatgtggg tctgaaaaaa ggcaaattta 60
 gtcattctgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag aaagagggag 120
 aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaacc caacaatgct 180
 attactcagc caataacaaa cctctcctt acccaccgcc cagttatcca caaaggtcat 240
 ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc acctttagca 300
 caaaccaaaa aacaccaacc aaaaggaatt ttgtagcaaa aagcctgtan ggttcacccc 360
 aaattatggt gtcattatgct aaacttgatc ccatatccac tcaataattc 410

<210> 17267
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17267

agctttgaac aatatacttg tctttcattg aactgtcttt gggcttggcg gccacgctca 60
 acaaagtatt ttcgacacct actgtacgtt gatttgacca atgctgttat gggaatgttg 120
 cgacaatcct tcaaaacctt attgatacat tttgagaggt tggttgccat gtggccatat 180
 cgacgtcctt ctctatcata agccatcgtc cttttttctt ttgaaatgag atcaatccat 240
 gttgctatgg ctagactcag ttcacgaaat ttttctagat tttgatcaaa aatgtgcttg 300
 caaggagtgt aggctgcata aaattagtta tgaataacaa ttttaagtat atatcaaagt 360
 taaataaatg tgaccatgaa ata 383

<210> 17268
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 17268

tctaaggagg tgagcttagt tatgagagga tgtgtgtaga tatgctctag cttctcaaga 60
 aagttttctc aaagaagctt ctgaaggaag ttttctcaag aaagcttctc aaggaagcta 120
 cctagtctat aaatagaagc atgtgtaaca cttgttgtaa ctttgatgaa tgagagtctt 180
 gtgagacaca actcaaagtt caacttctct ccttttttct tcttcaatt tegtgtctcc 240
 cctctctctc ttctctcttt ctttcttttc ctccattgaa gcacctctct caagcttctt 300
 atccaaggct catcttggtg gtgaagctcc ttcttccatt gcttattccc tagtggatgg 360
 cgctctctct cacctcttgt cctttgtctt cggctgcac ttcattggtg aaaatcacca 420

<210> 17269
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 17269

agcttttgca tgttttagata tttctagaga gagaaaggtc caagttctag agagttttga 60

gagcttttgc tgtaaaaaga cttgcagaga actgagcgag aagaaggaagc catcttgaga 120
 gcatgaaatg agtctgggag tgattgtgag gttctagagg tggaagagac atctccacta 180
 cttgtatttc ttcaatcctt cttttttctc ttctctttgt tgtaaaggaa gcttcctaga 240
 tatggagagc taaatcctct gctgggttctt ccttgtaggt acttgatgta aatacttgta 300
 tatctattta atgatgtttt atgtgttctc tgtgctatca gtacgtcatt tcagtgtgct 360
 tttgccttga tcacgtagat gcatgc 386

<210> 17270
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 17270

tgaagacaaa ctggatgctg tgggtcaactt ggtaaccacag ctggccttga atcagaaatc 60
 tgtacctgtc gcaaggggtt gtgggttgtg ctctctgtct gaccaccata cagaccttgc 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag tagagcaatt atgacctttc 240
 cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcatggtt ccagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct gctggcccaa gcagaccata 360
 cattctcca ccaatccaac aacagcagca acctcagaaa cag 403

<210> 17271
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 17271

agcttttatct agtaaaatgc aatcttccac tttgcattta aaccaccta accttagtga 60
 taaaaattca atttccaata tcaatgcacc ttatctttta tcttggaaact ctacaaaacc 120
 ttacactttt atctttctat aatttaaaat tctcactttt cttttttact ttttgtataa 180
 acttggtgga atgaaatttt agtagtgaat gaatatttga gaattggaga aactagaagt 240
 tttggaggaa gaggtctact gtataattga tcaattcttg tttttttttt gcttgatata 300
 gaaaaaggaa attgaaaaat aacaaaaaat aattgaattc taacatatat gcactgattg 360

aactaatcat ctaaaattgt gctc

384

<210> 17272
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17272

ntgaacaata tacttggcct tcatttaact gtctttgggc ttgttggcca cgctcaacaa 60
agtactttcg acacctactg tacgttgatt tcaccaatgc tgttatggga atgttgcgac 120
aatcctttaa aaccttattg atacattcta agaggttcgt tgtcatgtgg ccatatcgat 180
gtccttctct atcgtaagcc atcgccatt ttcctttga gatgcgatca atccatgttg 240
ctatgtctgg actcagttca cgaaattttt ctaaaatttg ataaaaaatg tgcttgcatg 300
gagtgtatgc tgcataaaca tagttatgaa taacaatttt aagtataaat gaaagtaaaa 360
taaacgtgac catcatatat gaaatcttac ccaatttctt caacatttct ttttg 415

<210> 17273
<211> 382
<212> DNA
<213> Glycine max

<400> 17273

agcttcaact ttcaatatcg agcgtttcga tatattacgg gactgaatca gacatccgag 60
taaaaagtta ttgtcgtttt aatttgctta gagcttcggt attgcatttc gagcgtctcg 120
atatattacg ggattcaatc agacatcaga gtaaatagtt attatcgttt taacttgctt 180
agagcttcga taatcaattt cgagcgtctc gatatattac gggactcagt cagacaaccg 240
agtaaaaagt tattgtcgct tgaatttgct cagagcttcg gtattcaatt tcgagcgtct 300
cgacatatta cgggactcaa ttagacatcc gagtaaaaag ttattgtcgt ttgagtgttc 360
tcagagcttc ggtattcaat tt 382

<210> 17274
<211> 414
<212> DNA
<213> Glycine max

<400> 17274

tcttgtttat acctcgatcg gccatgtttc ctgaccgacg tttactaaaa tttttttcga 60
 tcagtatcgg tgagtaaaaa ttatttttac gaggttgggc aacgttttcc cttccaagca 120
 attgaaaaga tgccagtgtt cgccgaaaca caacttcgtt gtgctcgaac gaaaaaacct 180
 agccgaccta catataaaat ttttacggca acaccgaaca gatgagctac ctctaccgta 240
 aaaaaatgtt atctgccagc atttgtaaaa aagttgctca cagtcgactg aaaaatatca 300
 gtcgcggcct tacaacatca gacgtcggcc attgtacttt atattcaatc cctgaatatt 360
 atttgatga tgtctattag gaaatgttac atcggcgtca tccggtgacg cttc 414

<210> 17275
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17275

tctttgcgca acaaataattt tattgttgcg tgatcagtgt aaatcactat ctttgatccc 60
 accaaataag atcgaaattt ctcaagtgc aacacaattg ccagcaattc tttctcagtg 120
 gtggcatagt taatctgggc atcattccaa actttgctag cataatagat ggtatgaaac 180
 attctgccct tccgctgccc tgccctagca tagcacctac tgcataatca cttgcatcac 240
 acatcaattc aaactcttgt cccagctctg gtgctataat cacataagca gaaaccaatt 300
 tggctttgag agtgttaaag gcttctaagc attcttcatt gaatacaaac acaacctcct 360
 tgttcaacag attgcttaag ggg 383

<210> 17276
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 17276

tcctttacac aaagagaaga gaaaaatgaa ggattgtaga aatacaagtg gtgaggatgt 60
 ctctccacc tctagaacct cacaatcact cacaaactca tctcaagctt tgttctctag 120
 aggtcatcgc ataacaaaat ctctcaaaac tctctggact cggacccttc tctctctaga 180
 atctctcaca tgcaaaagct ccttgagaaa atggccaaaa tcctctccaa aatctgattt 240
 caggcttaaa taggtggttt ttttgtgcta gcgcgcttag cagcactatg gaccgcttaa 300

cccgcathtag tggatttcgg cttagcgcgt gcttttctcg ctactggat ggactgaagc 360
 ggtgtgctta actgcatgac ctttgctca gcgaacatgc acaactc 407

<210> 17277
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17277

tagctttgtg gccatgtaaa cactaaggct tagggtttgt tttccccgt tcaatcaacc 60
 cagtgtttcc aaacaatgca ctttcatcaa gttatgcaca catccgagtc catttaggcc 120
 ttcgggaaaa atctttcatt gcattcgtgg tcgaagccgg taagtgcacc ggatcgtgca 180
 agtagtataa aacggtaaga accgagtgtc gaactcttgg gaaacttgtg ttacttggtg 240
 aagctatatt cagtgaatag gtgtctagta tgaaaagata tgtgtggact atgaacaagt 300
 atgtaaacta actattaaaa aggaaaatca cgtgagtaat gatgtgtaaa gacaagtaga 360
 caacgtgttg gtcttcctat t 381

<210> 17278
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 17278

ttagtgattg tgtgcgacca cagattttat attgagtgtc ctcatattata tgttctataa 60
 ccaactctgc atgaatttgt aattgtcata acatatgatt tatgaatatg atctaggcct 120
 tctttctttc ttacatctt aagccgctgg ccaagcaact atcccaatgt agttatttat 180
 catttgcaag ccctttgagc caaacacttg atattttgat ggaacactaa cctaagataa 240
 aaatttcttg ccttacctta ggtaggaga gcagcgggtgt tttgttgggg attctatcat 300
 ttggtggcta atgtaatgta aatactctgt tcttaatacg ggtattaagg gaaaacagaa 360
 aagaaaagaa caatagaata gattagaaaa gatgaatata caggagaagg aaaa 414

<210> 17279
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 17279

tgctttgagc aaattcaaac gacaataact tttgactcgg atgtccgatt gtgtcccgtg 60
gtatatcgag acgctcgtaa ttgaaaacgg aagctctaag caaattcaaa cgacaataac 120
ttttgactcg ggtgtccgat tgtgtcctgt agtatatcga gacgctcgaa attgaaaact 180
gaagctctga gaaaaatcaa acgacgataa ctttttactc ggatgtccga ttgaatcccc 240
taatatatcg agacgctcgt aattgaaaat agaagctctg agcaaattca aacgacaata 300
acttttgact cggatgtccg attgtgtcct gtaatataac gagacactcg taattggaac 360
agaagctct 369

<210> 17280

<211> 414

<212> DNA

<213> Glycine max

<400> 17280

tctgttttca atttcgagcg tctcgatatt ttacgggtgct ctatccgaca tccgagttaa 60
aagttattgt cgtttgattt ttctaatagc tttttttttc aattacgagc gtctcgatat 120
actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcaaag 180
cttttgttgt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta 240
aaaatttatt gtcgttgat ttttctcaga gtttcagttt tcaattacga gcgtctcgat 300
atactacggg acacaatcgg acacccgaga taaaagttat tggttcgttga atttgctcag 360
agattctgtt ttcaattacg agcgtcttta gatattacgg gactcaatcg gaca 414

<210> 17281

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17281

ttgcttcata tagaccaaga ccagaagtat ttgtaccttg atttaccatg atctcttaat 60
acaatatctt tattgttgat ttttttttcc tttggagaat gtcaaacgta aatcacattt 120
ttttatcagc ataaattaat ttgttagttt tattaataat ataactttgg aggatttgaa 180

cccacgacct ctccccctc tctttccct tctccctcca ccacctctca tctgtcaacc 240
accttatatc tctcaaatat aaatcacatt tgttaattga aaggaggaaa atatcaaag 300
taaattgctt cttttttcca ctagaaatgc ttacaacatg tcttttttct atactctctn 360
ttcaacatta tctctactta tta 383

<210> 17282
<211> 419
<212> DNA
<213> Glycine max

<400> 17282

tatcaataca tttgaagagg ccattccacca ctccattatc actgtcaatg tttggattgg 60
tgtaaaagaa ctttggattc agataataac ccgctgcatg caaagggtgg tgaagttggc 120
aatcccatct tttatcaatg attgcaagga tatccttata ctcccttca ttgttattga 180
aagctctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa ccattgttag 240
gttttttttc attatccacc aacctcaaca cacttacaag agggcccata gcctttaaag 300
cataaacaac atcattccaa aatgatggca taagaacaac atctgttgct tgcttccoct 360
tgggctcttt agctgcctta gacttcaacc attcatctga attaaacatc cttctaaga 419

<210> 17283
<211> 375
<212> DNA
<213> Glycine max

<400> 17283

agcttttgag tccataagag aaactattaa aacttgatta catgtctggt aaaaattgtg 60
caaagcaata ataatttgac aacttgtaat attttcccc caaatgtgta gtataacttg 120
taattccaag atatgtagtg ttcgaatgct ctcccttcta aaaggtaaaa aaaaatagta 180
tttattactt tttttatgaa acgaaaagac attgtcttaa attgtgtgtg acttgactta 240
attttatact aactgtgggt ggataattat tgatgtgaca attaatacta caagtaacga 300
caaaggagct tcaccacag ggtcaacaac agtagaagca ccacaagatt cacctgtaga 360
cgacgttgat gaatc 375

<210> 17284

<211> 410
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17284

 tgtgggtgct ccccttattc ctcttcaggt tccattatac catactttga ctgcgccct 60
 caaagattgt tccattgtaa gccttaccaa tcatctatat attaatttct ctttgaattt 120
 aagttgaata attcttcttt gaattaaact agaataaag aggggagagt ctcataaaaa 180
 attacaaaaa tcctctttta tattatttcc atccttcata acaaacacaa cttataaca 240
 tataaatcta taacggtgat gaataactca tataaactac atcacgcaat tatagtttgt 300
 gtcttggtta attctctata catatgaacc ttgagtatgt aagtatgttt ttaatgtaaa 360
 aacatttang gtaattttat aagagtgatg ttacattgtg ttatgagaaa 410

<210> 17285
 <211> 381
 <212> DNA
 <213> Glycine max

 <400> 17285

 tgcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc cttcaagtaa 60
 caaagaattc tttttgcggc ttttagatga ggagaggtag gagcctccgt aaagcgacac 120
 acaactccca ccgcatatag aatatcaggc cttgtattgg ttagatatct taaactcccc 180
 acaagactct tgaagaccgt ggagtctacc ttctctcctt catcaaactt tgataacttc 240
 atgccacctt ccatatgtgt tttcacggga ttacaatcaa gcatattaaa tttcttcaac 300
 acttcttttg tgtagcttcc ttgtgagaca aagataccat tctacgtttg cttcacttcc 360
 attccaagt aatatgacat g 381

<210> 17286
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17286

 tcacaactcc aatactctat atgagctatg ccactaattt ctatctttat cctgtagttt 60

ctaagtcttg tccacttcaa tttaaaatca aaattactca aactgagatt gatttaaact 120
atataagcta agaaaacatg agtgaatatc atgctaattt caattataat ttgtccttct 180
ataaataaag attatagtta aattctagga aattctatgg agaccaacct tggaacttct 240
cctcaagtga caaaatatca ccagattcct tgacagttac actaggactt agcgagtgc 300
ttgatccacg ttttctatg acgccaacag ttatttctac ccatctgctg tgccctttcc 360
acgtgaggcc atggccagtt gcaccccaa attntgatgt caca 404

<210> 17287
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17287

agctttcaac aagagtcttc acaaataacc atcatgaagc agaaaactaa caaaactacc 60
catcatatct cccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
cctgaatddd cgaagtccca ctgtagcca cgcacttcac gacttcgaaa atgctctcct 180
ttcgcgattd ggagcagaaa tgagcaccaa aggttgagc tttgttggg tttcaatgga 240
gaatggagga gaaggaaaaa gcaacgtgag gaagaggag agcttctgaa ttttctgttt 300
tggtctgagtg aggagagaga aaagcttdttt ggtntaaat aaaaggtnt cctcttdttt 360
tattattnta ttcattgctt gccacatgt 389

<210> 17288
<211> 420
<212> DNA
<213> Glycine max
<400> 17288

tctacttatg ttgcagggcg ggcttccttc actttcttgt ctccaacgcg agctttgacc 60
actgctcttc cttcccgga tgcttcttdt catgtccgc tgagtgggt tatagccta 120
accatacttc ccacgatttc ctttggcatt tatcaggctc gttatgccgc cgttgtcttd 180
gcctaaaccc attccgggtt cataaccgtt cccaacata actcgggcca tcattactgc 240
tgcatcggac aaacaaggct gccagagaag gagtccacgg aggaaatgct gaccacctca 300
aaagactgga aagcggttdt taacgattct tctcgggtt ccacataagg catagaggat 360

gggcagctca ccaagatgtc ttctctgcct gacacgatga ccaagtgcc ctcactacg 420

<210> 17289
<211> 388
<212> DNA
<213> Glycine max

<400> 17289

agcttggtta ccccatgttg aatttgctta caatagagct gttcatagca ccaacaattg 60
ttctcctttt gaagttgttt atggttttaa cccactaact cctcttatct tttgcctatg 120
cctaattgttt atgtttttta gcataaagaa ggtcaagcaa aaggcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcaaattga gagaaaaaat aaaagctatg ctaaacaagc 240
caacaaaggg agaaagaagg ttgtcttcga acccagagat tgggtttggg tgcacatgag 300
aaaagaaagg ttctgaaaca aaggaaatca aagcttcaac caaggggaga tggaccattt 360
caagtgcctg aaagaatcaa tgacaatg 388

<210> 17290
<211> 424
<212> DNA
<213> Glycine max

<400> 17290

tctagtcgtc catagacctc ctctgtggta cggctcatca aactttgcat ctgtgcattc 60
atcgcatcca ctaacagacg ttgagcgccg tccaactgat ggtactcgtc accaccacca 120
cctgctccag ccataattca acaggaaaaa aaaaatgtgc aataaaaaatt attaagggtt 180
caggacctca caacactcta ctcacgtctc ttagatggta gtacactcgt gtttaaatgct 240
ctcaataggc ttttgtgtaa tgtattccct ctgacctttt accactcgtg tttcctctta 300
agttcctgga tggaccaaata tagacacaca aggtaatata aaataaaagg aaagacaata 360
taatgatcac aaacagattt gatttgggat aacaacttgg acttgatttg gataataata 420
tatt 424

<210> 17291
<211> 386
<212> DNA
<213> Glycine max

<400> 17291

agcttgggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60

catcgaagaa cgggttgaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt 120

cggaagcgcc tcggcttaga ttttcttcac ggaaacaatt ttcccaagca aattcgaaag 180

agagagaagt gccaaagggg ctgaaccctt ttcttcttca cttcctcccc tatttatagc 240

aaaatagggg aggtggttgc cgcccagctc gcccaggcga gctcagctcg cccaggcgag 300

ccaggttgct tctccagaa gcaacagcct tctggaggaa tattctggag ggcccaagtg 360

ggcctgggtg ctatttgcac ccccat 386

<210> 17292

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17292

ttctagctnt tcattggtgt atttggatct ccttttggtg ctctaaattg tgggagtgtg 60

ctcaaata tggggcaatt ttggtttggt ttcttgcttg attaggttga attaggggtg 120

tgtatgggat ggccttaggc ctataatgca tttttgaaca atgggacatg ccacattgtc 180

cccgttctct tgctattgac gcctaaacgc gcgcccacca agtggttcggt gaaatgcctc 240

aatggcatta gcgcgtgact tttgtaagga aacaacccat ggagcattnt ggtttgtaca 300

cattttcttt ttttggaata tgtattcatt cctgaaaaag gctatagtaa ttgccccgca 360

tatatectat gcctangaac taaaatgtta tgctaataga acacaagagg atgtgcatat 420

tggg 424

<210> 17293

<211> 368

<212> DNA

<213> Glycine max

<400> 17293

ctgctgcatg ctgcttgtct tgattagaca tgattgatac acgacttatg actagtaaga 60

tatgcttaga gccaaataga gtgaagacga gtgagaattc tactatctgc actttatgca 120

gaatattgca tggaaagatg tgcaccataa ttttggctac gtgcatagag tgttgtgcat 180
 atgcaggtgg gctaaagagt aatgcaaagtg gagtcctgga ctatttataa taaatgccac 240
 cggaatcagg gtgcactcat gtgatctata cttccattag aagttatgag tcatccaac 300
 ggtctacgaa ttgcaacgag gagactgtta ctggggttgt ttagagagaa aagcagcgat 360
 atcgagtg 368

<210> 17294
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 17294

tgctgtccg atgcaacaat aatgatgggc cgagttatgt tggatgaacgg ttacgaaccc 60
 ggaatgggtt taggcaaaga caacggcggc ataactagcc tgataaatgc caaaggaaat 120
 cgtgggaagt atgggttagg ctataagccc actcaggcag atataaagag aagcattgag 180
 ggaaggaaga gcggtagtca aagcttgagg ttgagacaag aaggtgaagg aagcccaccc 240
 tgccacataa gtaggagctt tatatgcgag ggtctggggg acgaaggatca agtggtcgcg 300
 atatacgaag ataattattcc gagtacattg gatttggtag gaccatgccc tctgaattc 360
 cagctgtgaa attggcagat ggaagaacgc cccggcattt acgcgacgag cataatgtaa 420
 acct 424

<210> 17295
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17295

agcatctcgt gccaatcctt gtatgacacg gtcattcttt ggataatctt ttttatattc 60
 ttattggccg cttccacggc tccattcatc tttggccggt agggcgtgga attgtgatgc 120
 tgggttttaa actcctcgca catttccgcc atcatcttat tattccggtt ggtgccgttg 180
 tccgtgataa tcttccttgg caaacatat cgacagatga tctctttctt aatgaacctg 240
 accaccacat tctcgtgac attggtatat gaagccgcct cgaccactt ggtgaaataa 300
 tctatcacta cgaggatgaa gcatgacca ttcgaggcct tgggctcgat ggccccgatg 360

acatctattc cccacatgga gaa

383

<210> 17296
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17296

ntgcacgtat cgggtcaagtg tatggaccac gttgtatcca aggtgctcat cgataatggg 60
tccagtttaa acgtgatgcc caagagcact ttggagaaat taccattcaa tgcttccac 120
ctaaagccaa gttccatggg ggttcgtgcc ttcgaaggca cccggcgaga ggtaaggga 180
gagatcgacc tccctgtaca gatagaccct cacacctgtc aagttacctt ccaaataatg 240
gatattaacc ccccttacag ctgcctgttg gggcgccgt ggatccactc ggtgggagtt 300
gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcatct ggtcatcgta 360
tcaggcgagg aagacatctt ggtaagctgc ccctcctcta tgccttatgt gg 412

<210> 17297
<211> 379
<212> DNA
<213> Glycine max

<400> 17297

tatcttgagg atgggtggcac aatacattcc catgaagacc acgagagttt tagactttta 60
gtttacaccc caaatgtaa acattgctct aatgaagggg gcaacatcct ctctttatgt 120
gttgaaggcc tctagtgcag tgatattgtt cagctatgt gtctgccatg tcagacgtta 180
ttttccctc tccggtctc taacatgtca gacattggg tgcctttctg ttgtgtacgg 240
tggcgagct agtccaacta ctatgcaacc attcacccaa gttaacaaat ggaaaatcct 300
tcatttgaca acttgcgatt gaagtgaaaa gcgagactct acagttatac tattttataa 360
acttataaca taggcatat 379

<210> 17298
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 17298

ntgagggggtt ttcggtgaat gtgtgtcttg caagtctgcg tntttatttt cttttttctct 60
tcatgttgat cgtttctgaa gaaaccttct gtatatgggc attgattact attacttcag 120
cttgaaaatt ggctcagatg gatggtttat tcaactttta ttccttattt tttttctttg 180
aggtattttc aactttatta cctcatttcc tttccaccc tattgttgat tgatcaaaat 240
tcagttccat cttttctcaa ggattaacat ctgaagttag cttttttttt ttttaatatg 300
aatcttatgt taagcgaaaa tatgtttatg taatgcaacc aatgaagtgg gaagcttgag 360
aacattgtga gctatatata tg 382

<210> 17299

<211> 417

<212> DNA

<213> Glycine max

<400> 17299

taatatggaa accccattta ctatgttgat ccggtgagtt ggggtgtactt tgagacttgg 60
gtcacccctga ctagccacta taggacacaa tttatgtagt ttggcttaag tagaaggcat 120
cagacgttaa tgaagcttct tatggctaag catatactcc tagactactt cacgagttaa 180
aaaatggtac cccttggtgca tggagaagaa aatgaggaac atgacatgca tatgcatcgt 240
gttgacagtat aatgtattga atgggtattgt gttgaaatga tataaaaactt gtgtgtttct 300
attcatgggtt gttgttgcac tgcaagcatg tgaataatat ttgtcatgtg taatgtaaag 360
tgacaatgtg tcaagggtcat ggatatgtgt ccacacaata tatgtatatt gtttcta 417

<210> 17300

<211> 383

<212> DNA

<213> Glycine max

<400> 17300

tttcttctca agtaagctac catcactaac tatgcttgat ttgtgtcttt ttgaacctgt 60
atttgagagac ccataaaacc aatatggagc atcagagcta cttgttgag aggatgaagc 120
atccaatttt cttgataagt aaagatcatt catatcgtca tcatcatcaa caaatgttt 180
atacaagtat tgacaaaccc acttgcac c aatatactat accttgtaaa ctcaaaaata 240

gtcagcaata acacctcttt gctcatttgt caacctgtat gagtgaaggt agcctatttg 300
aatttatgat tgtacaacca caagttgata aaggacaact tttgattggt tactgttttag 360
tgectcacct tcttgccttt cca 383

<210> 17301
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17301

tagccaaaca ggcctaagt gtctaagaag aagtttattc aaacaaaagt ctaacaccag 60
aatcattata attattatta accatagtga ttacacttat ttagatgcaa cagattctgt 120
ttggacacag cgattacact ttctaaatat cattatcttc gtattaagta cactctaaca 180
ctaaatgagg gggagtaacc taaatcttac cctcttgatt tactgaaatt tgcaatacac 240
tatgttctgc ttgggaaagt tcttttattt atttatatta tttttatata atttatagca 300
gattgatcta accctaaacc aaaggtacca agattcgtgt tcgatgtcac agaanaagac 360
aacgaatgaa tgaatggcaa agatgagagt gaagctttaa gagacat 407

<210> 17302
<211> 381
<212> DNA
<213> Glycine max
<400> 17302

tagcttaatg attatgtaat tatcttcata ctgcttctct ggaagaaatt atgcttagag 60
acaaagatat tagaattggt tcactatttt acttttatag taaatgtaat cttattctat 120
tgtttgagta atacactttt aagtgaacaa aaatttgtgt gtaaaaactga tggatttggg 180
ctgttttcta aggagaaggt atgcattcca taataattat aagtgggtaca agaataatgt 240
tgctttcatt ttatctatgc aagtattttt tgtttattgt ttatcttcag ctctttacta 300
atactagtat atgctgttta atttcaaggt atatagttag aaagagcata aagagtgcag 360
aagacatagt tcgtttccct t 381

<210> 17303
<211> 416

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17303

tccaacaagt ggtatcagag cacaagagct tcaagtatgt gctccttaaa gctccattag 60
 ttttcagctt tactttctcc tccattgttg tttcttcggt tctctccatg tatctctca 120
 cgtgtcttgt gctgaatggt gttaacataa ttttttagaa gttccaccga ttaagcttgc 180
 tatagaagct aaatttgatt ttctatgggt caaattcctt gttcttggtc ttgaaccatg 240
 aattgtgttc agtttaagtt cttttgagtt ttatattgac aattattttg gctgaaacct 300
 aaaccatata attcttacta aaacattaaa gtagaagaaa acctcaaaaa tctagaatga 360
 catattcacc tattgtagtt ntgtcataaa agtcatgtct agtcatgaaa cttgtc 416

<210> 17304
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17304

agcttgagat gaggaagtgt tgaagggtga aacttctgc ttttattggt gaccacagag 60
 tgggtacctgg agatatgtcg cgggggtcaa gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagttgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg acaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
 tgggtctctgg taatcgatta ccaaggggtgg gtagtcgatt acaaggctta taaatgaaga 360
 caggagacta agatggtctt tg 382

<210> 17305
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 17305

tgttacggat caacttgatt cgtaagtcac ttgcatatca acttgattcg caacaggcat 60
 atggatcaac ttgatccgta acaagcttgc ggatcatcta tgtcaactac ggatcaaata 120

tagctttctgc agatcaacaa aaccctatgc ggatcacgtc atagcatata cggatcaagc 180
tgaatgagat ggggtgcacca gcaataatgc taggtgcacc tagcaacacc catttaaatt 240
tcgtgatcta ttcacaagtt tccgtgtttc ccatcgtcac cgcttagctt aggggtttttt 300
taaccaagat tttcaaaatc tatctataat aatttatcta tcccaaaata gatccgaagc 360
ccacatcacg aaataagatt gtttttcaag cttcggataa cacatattat catttgatgt 420
t 421

<210> 17306
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17306

tctaagttnt tagagtaaac tcaatattta aattctaatt caagttttta acaagtctca 60
tcattctcat cttcaaggtc tgccatctct tccctctcagt ttttctttca ccactactcc 120
tgtaggcctc ttcctcttct ttagtttctt catccccacg ttattcttct cgtactttgg 180
gcctgtttgt ttaacctttt tttaaaaata aattaagcag ttttctgttt ttttatgtaa 240
ttttttattt tgcatttaca ataatttggt tttttatatt tagtccttgt aaaatgagca 300
gagttttgaa tttggtcatt atattttttt atgattttca tccttataaa aatttgaaat 360
aattgttatt gtccttattt tcatgtgata aatgt 395

<210> 17307
<211> 375
<212> DNA
<213> Glycine max
<400> 17307

agctttgaaa tttgaaaacc ctagcatggg ataattctatt aggcaccta agagtttatg 60
aattccatct tcagaactga gataatcaac caaagaaaga tttatttgcc cttaagtcta 120
gagagacaag ctccaaaaga ttagaaaaga atgcttctct aaatctctta aagtgaagat 180
agattattct gatgggtcaa acaatagttt tggagattcc acatatgatg aagtagctct 240
catgtctatg aggttcaagc aaatgatgaa aaagaaaggg aagttccacc attcctocaa 300
aagaaaggac ataagattca agatgaaata cgaggaggat agcattgaaa tcatctgctt 360

tgaatgttga aaacc

375

<210> 17308
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17308

tgcttgtggg gcttctatgg aggctggatc tttgagcttt aattaggtcc tttaatggtg 60
atthttccacc atggaaatgc agtgggaaggc aaaagagaaa aggtgagagg aggcgccatc 120
cactatggaa caagccatgg aagaaagagc ttcaccacca agatgagcct tggataaaaa 180
gcttggagag gaagcttcaa tggaggaaaa gaaagaggga tagaaaggga gaggggggag 240
cacgaaattg aagtaagaaa aaagggagag aagtthtaact ttgagttgtg tctcacaaga 300
ctctcattca tcaaagttac aacaagtgtt acacatgttt ctatttatag actangtagc 360
ttccttgaga agctttcttg agagaacttc cttagaagc ttctttgaga aa 412

<210> 17309
<211> 384
<212> DNA
<213> Glycine max

<400> 17309

agcttagctt gatagcttaa cttacagaat gaatctgggg cttagcgtag gatggcgcac 60
ttagtgcagc tataataaat tttcaciaag aggaagtggc acttatcaca tcatccacgt 120
taagcccact gcttaaggtg caacttacag tgaagatgtt cggcctaacg taacaatgtg 180
cgcttagctg aaccattcag ccaatcaatc aagggtcatt gcgcttagtg cgagtgatcc 240
ctccccactg caattacttt ttgtgttctt gtgttctatg ttgtagccta taaaactaaa 300
ccctcgatcc ctctgcaggc tgaatatcca agcttcgtct gcagatcctt catttaagac 360
tacacccgat ttatgtagcc ctct 384

<210> 17310
<211> 424
<212> DNA
<213> Glycine max

<400> 17310

tgaccgaatg taagatacat cttcttcaac ctttgtcatt cttgactcca tttcattgaa 60
g'gc'catatcc acttgcaatt ccaaggtatc aaacctctca ccaacaaagg tttgaagacc 120
atcaaacc'tt tccataatct to'gaaagaag agatgaatct tctccttcat gtccttcttc 180
accaacattt ct'agcacctt tcttcaccca agagccatca tgctccttta tgtaacccaa 240
ggatgctatg actgaagcgc ctgtaaggaa tgatctcatg attggaacat aagg'ttcaga 300
atcaagaggg atgttgaagt gttgaaggaa aagg'gtaaca agatgaggat aaggcaatgg 360
ggcattcaat cgcaatgcct tatgcatg'cg atatctaaca aggtgtgccc aatcaatttg 420
taaa 424

<210> 17311

<211> 421

<212> DNA

<213> Glycine max

<400> 17311

tatgaataca acctatatat acgaaaagag cacaattata tttgtatgat gattaaaaca 60
cggcgtatgc gtatattata agtacttcat cactaagggc ttaattaaga tattttcctg 120
accgcaccct gctatgcata aatgacgctg acagtcgact aactcgattt ttatacctac 180
aatcataaac ttgctagagt ctaccataac ctcaagactt tgacatcaat ggtgagatga 240
gggtccaatt t'cactgaaga attacgtgaa ataacatcca atttacagac atgaactcac 300
ctttgcaata tgactaacat ctatttaatt caaaagtttg acgtctgtat aaccaatgaa 360
catgcgcatt catcatccat c'cctgcagca tagaatgaca aaattccgcc ctctttagat 420
a 421

<210> 17312

<211> 382

<212> DNA

<213> Glycine max

<400> 17312

agcttgcctt gagaaggagt ccacggagga aatgcttacc acatcaaaag actggaaagc 60
ggtttcta'at gactcctctg cagcctccac ataaggcata gaggatgggc agtcaccaa 120

[illegible]

<400> 17313

<400> 17314

<210> 17315

<211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17315

tcaccttctg gtcctcctca tagttgttg atgagaaaac atgctctatt ttcattctccc 60
 actccaagta ggccctccgga tcattctttc ctttaaattgg aggaatgttg agtttaatac 120
 catcaattcg gttttgtcta ggaacacccat cattccctct tctcctcctt tcttcgtcat 180
 tatgatctct atttctcatt tgatccaacc tctcatggag cgcattcatc cgttgtttca 240
 ttaacctctc caaatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccacttcat 300
 cattaggatt agtacctgac atctcaaaca aacaaatcan acgtaacaag acaattatag 360
 ttgttggttg aataccctca cccactcaag gggtcacaca attatggcgt ttctctaata 420

<210> 17316
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 17316

agctttaagt gtgattcctt tctttttctt gtcattctcc tcatgctgat tcaatcttat 60
 tagttccatt tcatgttcct gtaactttcc aaacaaagtt gcaagagaca tgtttgaaag 120
 atcccttgat tctgtaatag ccattacctt tgattgtcat tccctgctta aacatctcaa 180
 aactttatta ataagatcct tattgggaaa tatctttcct aatgatgcaa gatgatttac 240
 tatgtgtgtg aatctctttt gcatgtcctg tatagtttca ttaggattca tcctatacaa 300
 ttcatattca tgagttaggt atttattcta gaccttttta catttgtagt tccttcatgg 360
 gttacttgta agttattcca cata 384

<210> 17317
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 17317

tgcaccaact tctcatttca tccataagat actagttcat attttaattt aatgttcagt 60
 aacaagacta aacatcataa taagaccaa gatataaaa ttttttattt gatacttata 120

tgtatatact aaaaggaaaa ctgctgaaat tagtaattat tgattatfff tgcaacatat 180
 aggaagaag acgttatgtg tgctffffta gtgatacgat gttatgtgtt taacagacta 240
 ataatatagt ttacgtatt gaaacatcaa attataaata ttttgtataa aaattaatgg 300
 tatatagttg ttggatgtat ttattcagaa aaaaaggtta ttgggtgtat ttctffffat 360
 tggccctccc tgtcttctaa gtttaagttt gtccctgcaa catgtcattg accaattcta 420
 tgfff 425

<210> 17318
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17318

gtgagaaata cttgctcgat atggccgacg tattactggt ccctgtcaca taccacgctc 60
 tagggcatgc catgaacctt gccatagatt ctcatgacta actgagctac accaccggcg 120
 gagcgttgct gtggaagtga tcccagatga gaacctttcg caagcgggtca accaccacca 180
 acataactga gtgaccgtga tacgaaggaa gaccaacact actgtctaga gagaaatcct 240
 gccatggtta cgccgaaatc ggaaggggag acaggaggcc tggggcacga ctgagaactg 300
 acttagttgg ctgactggtg gcagagctcg tgaccaatag atggatgcct cgatgcatag 360
 atggccagac aaaattctct cgagtacggg ctaacgtcgt cattactccc atatg 415

<210> 17319
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17319

ntactattac aaaccaagct tagtgtgtgt ttcacataag cctaaatgcc taaaaataa 60
 gcataaacct taataaaaat ctttttcat aaaatataac ctaattgaaa atttttaaaa 120
 ttcaaaaata ttctcaacgc ttcacgcgaa tcaagttgat ccgcaagttt cacgcaataa 180
 gagcacggat caagttgacc cacaataaga gcacggatca agttgatccg tattaatcct 240
 gcggatcaac ttggttcgcy tgaagcttgc ggtagaactt cattcgcatt ctacctgcgg 300

atcatctcac actaatgcgg accatctaca ttcacactat gcatacgcg atcaaccaca 360
 cacatacagc atctatggag acgcaaatga caaggaggatg gcttaccttg ac 412

<210> 17320
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 17320

tcttgttctt attttataag ccttatatct ttatatctta aaaaacttat aatgtaatac 60
 ttaagtccca aaatactctt attcaataag atggaaaggc atgtcaaata gaataaacia 120
 agggaaaaga aagcaacaaa aaaaaaagct accatcaaga tctaaatctc caaggagtaa 180
 gaagcttttt ggatagcaaa gcttaaaaag aagaagaaaa acaacatttt caaaagagag 240
 gaaaatagat aaatccaaca tgggttcaac aaactactct agcactagcc tttggaacia 300
 tttcaagcaa tacaaattcc aaagggtatg tatgtcttgg cctttgctat ctttttccgg 360
 cctttggatg aaacaagaat gaatgggggg tccagattca cctttgaa 408

<210> 17321
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 17321

agcttcttgc gtagccgctc ttggtgctca gaaaatccca aaaacaaata cctcttatta 60
 ctagctatct tgaattcttt agctcttgaa tgtacaacct tcaaattgtt gctcggtccc 120
 ctctttgaga atgaggagga ttctcatagg acttcatcca actgatgttt gt 172

<210> 17322
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 17322

agaggagtgg aatccaattt atctaataa tgggcctagt cttgatttga tagatattct 60
 attaacacca tttaaattcc ttggacccaa tgacaggcca taatttattt cagacagact 120
 ataaagacat catgcaacta aaataataat atataccaat gacttctttc atattgatgc 180

ataggaagat atcttaaata caatgtttct cgccatatct tgatttacia ttacaaacia 240
 tgctacagaa tatggacaac ataaaactaa gttcctgacc aaacggccta agcagatggc 300
 aatgataaac ttatcagtat catattcaca ctgtcagtgc tatttcctat tgcaattatg 360
 actcacatat acaacatact gcgcagatga catgatataa ccacccaaaa ataatg 416

<210> 17323
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17323

agctttatcc tcategtccc tcacagtctt tagatttggg agccaatcca atccttgtgt 60
 tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
 tctgtccttt cttcacgctg catcccatgc cttgcgaact ccttgagta ccctcgcgtt 180
 gtggtcacta aaaccccgctg cgatgaaagg cgtgatgctt tcgtctaatt gcgctcctct 240
 catggggtag ccaagctgtc ttatggcgag aacaggatta taattaatac aacccttgt 300
 tcccatcaag ggaacatttg gacatccttc gcataagat agaattctga ttctttcttc 360
 cttctagcaa gggaac 376

<210> 17324
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17324

tgtccgcaaa aaattcacta aaaaggattt taaggtttga tacttcaatt tttctcacta 60
 agtaaaatgg atccttttaa ggtccaacgc cttaaaagga ccaccttcca agtaaaaaga 120
 atcgcttgat tcacccttta gaaagaacta cgtaggtctg atttcctctt cgatggaggg 180
 tacgtacgag caagagcccc acttttgcg acctcaaaaa ttaaaaagaa ataaaagctt 240
 aggaacacaa tttcacacaa ttctaattta aggctgttat cctttgggat aaacgtgaga 300
 ggtgctaata ccttcctcaa acgtaaatac aactcccgaa tctggaatat tcttcatgac 360
 cggtttcctt cggtttttct gacattttcc acaaataaac gttggtgacg actccgcg 418

<210> 17325

<211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17325

tgtcccaatt gagccagctt attcctcttg ntgatgcacc ttttgatccc caccaaaata 60
 aattcagcat catttaaate tcacccctta gtgtggttgg aagcaagtgg atactcatgc 120
 aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct 180
 cgagtagtga ttgatgcatt ccaaaatttg atcctttata caactgaaaa tttctttatt 240
 tcatttgcct atgatagaag ggaggcctaa gcattttcta gaccctatga ttgtataggc 300
 acccaaaaga aacatgatag ttgcgctcaa atattgctga gtgttgggtgc tgaaaaaata 360
 ttatgacttg tctaaatata tcatttgggc caaagccctt cc 402

<210> 17326
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17326

agcttggttg ttgttgccaa gatgtgtagc agcacctttt tcggcggtgca gctagggctg 60
 agcgtctgag catttggttc ccttgcgacc ccatttcagt aacccttggt cattcaccaa 120
 ctctcatgca gaaatactac tcaggcaaatt tttctcttta tataacttta ttgatttatt 180
 taatttaaga ttaataatag tataaactta agaaatgcat ttaataattt cattttctta 240
 aaacttatta tgatggacct cgatctctag atcatttttg caaatttagt caatcacgat 300
 aattaaaact caataactaa gctccaaaaa aatattttcg ttaccaatgg caatttttgt 360
 cactaatggt ggcgtcact 379

<210> 17327
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 17327

tgacaaaagg cctacctcat gtggtatgcg tccaatgaag ttgtttaaac cgaagctaac 60
 gcgagataag gaagaaaggt ttccaatcca agttgggatt gttcctgtaa gattgttaag 120

acctgcagct agcactctta gatttgtgca gtggctgaga ttacttggaa aactgccacc 180
aaagttgttt atgctgaagt ttaggtattg aaggtatagt aaacgaccaa cctcttgagg 240
aaattcacca tggaagctat tgtttaacaa gttgactgtg gtgaggaatg tgaggtttcc 300
tatgaagggg gtaagagtgc ctctagtct cagttgctca aggctaaggt gtgtgactct 360
tccattggag atgttgcatt tgattcctat ccaatcgag tgattgatg 409

<210> 17328
<211> 562
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17328

ctcatctaca tcatgcntcc gtctcnttgt gattaggtag ttcgtctgtt gtacatctgt 60
atnacatatn ttaatctaca ncaactcgag acgcgaangc gtgttgctgt gancactata 120
agcaaactcg agcctagcgt ccgggggtac tgtataggta ctctgtggct tgcgggcttg 180
ttcttattta tcaatccaca tgaaaggaag actgggttct atatgttatt tctaccgtg 240
tgctctgaga tgagttgcta tattaatggc gatgtgttgt ccttccgccc acccatagga 300
agatgaagcc tcgtgggttag gtttttcatt aaagggtgac gcccctacag cttgacaagc 360
agccatattc tgcccaatat attttgcttt acgaggagtc acgagcagct acactctgct 420
attttgatca cccaagaat ggtgggtgtt ctaatacgaa aacataacca gcagtgttta 480
ttgtgttctg ctccagaaacc attttagctt ccagaaagag aagggttctat ggggttcttca 540
ttaacctgct tatcacacca cg 562

<210> 17329
<211> 414
<212> DNA
<213> Glycine max

<400> 17329

tcttatccaa ggctcatctt ggtgggtgaat ctcttcttc catggcttat tccctagtgg 60
atggcgctc ctctcacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcctc cacagaagcc ccacaagcaa 180

gtttccatca ataaacttca taagatttta tcaatgtgat cataattatc ataatatcta 240
 cctagagagc aaagctcatt cagaatgggtg tggaagcgtc caaacatggt ttagatatct 300
 tctccttctt ccatactaaa gatttcatac ttatgtgtca gaagactcaa cttgttatgc 360
 ttaccttgg aggacccttc gtaggtaatg gctaaggttt cccacatctg tttg 414

<210> 17330
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17330

tcccaacgca tgcacatgt tacagggttc aaatattatg tgcntattat tatacccgac 60
 ggcgagatga tctttattct tcttggaac aactcgttcc gggatcctat gatcgactgc 120
 gagctgcaga ttataccttc tttttctcca aaaatataat cgagacggga caccctctga 180
 cacaagtaaa agaccatccc cagcagaaag agagccagac cgactcacag acccaccgaa 240
 ccccgacaaa taataataaa aaccactgcg cgagctatat acaagcaagc tccacacaaa 300
 agactttcct ccctttccga tggcatactc cgagctatga cccttcttac taggagaaac 360
 atttactggc gggcatacct gcagaaggta ttccagacac ccctcccat agtactatga 420
 atccagagcc aaaagcgtgc tatcatagag gaggtgcccg acacaatatt tgaccctacc 480
 tcctccaca cgattaggtg aggccctcg 509

<210> 17331
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 17331

tagccgaatt cagatcgaat tgaagttagc ttagcttatt cttggccagc ttagcggacc 60
 aaatcagcct cagatgcaag ggttgggtgc taagcgcgtg aacagagatg cacttagagc 120
 gaggcttgcg cttagcgaaa ggactacttt tcaaaaaaaaa gttttctgag ttatttttca 180
 gtcctttttt ctaagaaatt gaaaccctta tgtaaacaat tcaagaaaag gctgatatac 240
 tcctatgtac agatcatata gcaagttcca aatgattaaa tgcataaaaa acaaagata 300
 acatacatta aaactgggtt gcctcccagg aagagcttct ttaacgtcat tagcttgacg 360

catagcttaa taccttcaat gtggcatgaa agtcacaaag aacacatctt ccttgaagtt 420

<210> 17332
<211> 384
<212> DNA
<213> Glycine max

<400> 17332

agcttggttat gaacatccat tttgtaagca gagaaaagaa cgtttccaca aacaataccg 60
aaagatagac atgttattga gggcttttgt gcaaatacaa ggaaaaatgc aattaccatc 120
ttgtcctctct tagcctcttc atcgatgtca ttaccatcat caccaatagc tttcctggaa 180
aagtacatgg catttataaa tgtcagtaca tcaataacaa tatgcatatc atgagagtga 240
aacaacaaaa caaacagata ctggacttca aaccttcttt ttgtaatgac ccgatcatca 300
tgaccagcct cagcatggcc atggccatgg ccgaattcag gaaccctgct aacaacgttc 360
ctcagaaagt caaagacatt atag 384

<210> 17333
<211> 422
<212> DNA
<213> Glycine max

<400> 17333

tagaatacct gctgccatt cagttcccaa gtctaattac aatttcattt ccattaaatc 60
tgtattgtct tgtaataaag aagtcattga tatttggcat ttccgtttgg gtcaccttc 120
atatgatagg atgcaagtgt tgaaacaaac ttatcctatg ttgacttggtg ataaaacctt 180
tgtttgtgat acttgccata aagcaaaaca gagaaaactt ccatttccca atagtgactc 240
ctatgcttct agtcctttct ctttgatata tgtagatatt tgggggtcctt gtaccacaac 300
tactttgaat ggacataagt attttcttac aattatggat gatcatacta cgattgtttg 360
gagttttata atgacttcaa aagctcagac tcaaactcat ttacaagcct ttgtttccta 420
tg 422

<210> 17334
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 17334

agcttgttng attatggggt acccatcaca tgtggtacta tgtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat tcacaaatcg cgcataaacc caccatcccc tattgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatattct cgttttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccccaaca tccaggtaat acaacattca aacagcacia 240
 actatcacag ccaataaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300
 atcacaactt ttctcactta tagaccccag taacaattcc ttcgttccag ttcgtttaacc 360
 gatggatcga ctccaagatt ttactg 386

<210> 17335
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 17335

ctcagcttct caaggaagtt ttctcaagaa atctttctcaa ggattctacc tagtctataa 60
 atagaagcat gtgtaacact tgttgtaact ttgatgaatg agagtcttgt gagacacaac 120
 tcaaagttca acttctctcc cttttttcttc cttcaatttc gtgctcccc ctcctctctt 180
 ctctccctct ttcttttctc ccatgaagc atctttctcca agcttcttat ccaaggctca 240
 tcttggtggt gaagctcctt cttccatggc ttattcctta acggatggcg cctcctctca 300
 cctcctttcc ttgtcttcc gctgcatttc catggtggaa aatcaccatt aaaggacccc 360
 attgaagctc aaagatacag cctccataga agccccacaa gcaagcttcc atcaagtggg 420
 aatcagag 428

<210> 17336
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17336

agcttctgga tgaataatcc acatctgcac atgaacgtca ttgtcaaaac gagatccagg 60
 gccataata agactccgtg aatgaaggat aattacaaaa ctttctgtt tattatcttt 120

ggttggtgga attctagtga ggtctatagc ttgaaattaa gttattttca ttggaccaac 180
 aaaagagcga gagacatgga agaccctcgt atgattaaag acaagtcact ctaccaatgt 240
 gcattgggaa actgttatga tctgtacttg cataaagaca aatagcttgc cataaacatt 300
 tgatatgggt agccttatca tggaggtatt ggccgtagcc atattgatag tgacatcatc 360
 caccgtccta acctaaatgc aa 382

<210> 17337
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 17337

tatattaatt aaatataaag caaaatcatt ttgttaattg ggatttatat tccaaagttt 60
 gaaaatggaa atctttctat atggagaggg gaaattcggg ctcagagttt ggagcaaact 120
 ttctaagtaa taatttcacg gattcatatg aaagtactaa taatttcacg gagtaagacg 180
 taagattggc aatcccaaaa agccatataa ttgactacta attactcatc atatagcttt 240
 tgaattaagt ttgcagaatt tattatgttg actagttaag gtgatgaaat ttcgaactaa 300
 ctatagtgat agtactatct tgcttctcca taattcacia agaccagcat aaccaactct 360
 ttgacggttg acttgagttt aaaagttcta taaagaaaaa atggagattg aat 413

<210> 17338
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 17338

tgtagcaaat gcaaacggcg ataacgtttt atctctttgt tcgattgagt cacgtaatac 60
 atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttctgacgac aatacathtt 120
 aactcggatg tccgattgag tcccgtataa tatcatgaca ctcgaaattg agaataaaaag 180
 ctctgaacaa attcaaacga caataacttt gtactcggat gtccgattga gtccaccaat 240
 atgtctagac actctta 257

<210> 17339
 <211> 414
 <212> DNA

<213> Glycine max

<400> 17339

tcttttggac cttgaacagg caactaactc ctctttcaaa accatgctat gtgctcgga 60
ctggtccttt tcttcctttc gcaacttgag ttcactattg ctaccccata gagctccgag 120
aaatttggtc cggccatact ctcccttgag agccctcttg gtctcttggt caagggctct 180
tgcggttaatt gcattctctt cccgtaacct ggcacactcc ttccgaacgt gtgtagcggc 240
caacttgaac ttctccttgg caagttttgc ctttcctaac tcgcttttga gagcttggac 300
ttcttcgtcc tcttcgggtg cttcaaaact ctctttgctg acgactttta acttggcgag 360
ccaatctaaa cctcgatatat gaactttcag ccattcgtgg taccaccaa tgat 414

<210> 17340

<211> 381

<212> DNA

<213> Glycine max

<400> 17340

tatcttccag caccagcgat ttcaacctag aaatcaagag tagtgtttat gttgcttaag 60
gcttgatag ttacaatttg tgtttgctta tgctcaatta tcttgaataa cacaattcca 120
gagagcttaa gacttatttt gattcacaaa tccagccaca actcagcacc acaactcaac 180
ttcatcatag gcatcatgta tgaaacttag aaaacaaaaa aaagttcaag aacaagacta 240
cttctaggaa ttgatttaga acatgttatg aactatataa catgcatgaa ttagactcaa 300
aattcaaaag ataggctaag aatgacaaga atacatgaac aaatgtatct agaattcaat 360
caactaaata aaattcaaca c 381

<210> 17341

<211> 393

<212> DNA

<213> Glycine max

<400> 17341

tcttccagaa tcgtggtgtg attggccgtc atggggttgt aacgatcgta cttggaccct 60
ttggggagag gttggcgctt gtctgacttg tgctcttctg ctgacttggt caagtcgccc 120
ttggtgtttc ctttgcgctt tacgtgcttc tatecggctt ggtggacttc tttcggaatc 180

[illegible]

| | |
|-------|-------|
| <400> | 17342 |
|-------|-------|

<400> 17343

<210> 17344

<211> 381
 <212> DNA
 <213> Glycine max

 <400> 17344

 agcttgtacc aaaaacaaaa tattttttta aaaaatatta catgacaatg aaatcgctat 60
 ataagatact acaaagatca catttttaaaa aaaattcata tttaaatacc catttttggc 120
 gttttttttt tegtgggtgt ggcagtgccg tgagacaatg gaggggtggc atttctcatg 180
 tttggacgtc aaagaaccca aaaacattat tcccgttctc cggttctgtc aaataacagc 240
 taaaaacaaa gccagaaaat ccaaaaaaaaa taggaaagtg accttttttc atgttcaagt 300
 acccatgttt gggaattttt tccgtaggtg tggcagtgcc gtgagacaat ggagggcggc 360
 catttctcat gtttggacgt c 381

<210> 17345
 <211> 415
 <212> DNA
 <213> Glycine max

 <400> 17345

 cttctggtgg gacatcttga cttgctttcc aatctgacat tcaccactta ttctgccttc 60
 ttctattttc agattgggaa tgccctaac agcacctttg tcaatgattt tcttcatgcc 120
 tcttaagtgc agatgtccaa atctttgatg ccatattttg acttcatctt ctttggagaa 180
 tagacatgtg gaggagtaac tggtttcttg aggggtccat aggtaacagt tgtcctttga 240
 tctgctgccc ttcattaaga cttcactctt ctcatgtgtc accaagcatt ctgactttgt 300
 gaagettaca ttgaatcctt catcacacaa ctgactgatg ctgatcaagc tcgcagacag 360
 tcccttcacc agcagtactt tgttcagact aagaagtccc tcatggacta tcttt 415

<210> 17346
 <211> 351
 <212> DNA
 <213> Glycine max

 <400> 17346

 agcttcatac aaataagaga aaaaatgttt ttggtgaaag aaaatggaaa aagatgaggg 60
 agaatgtctt ctccagtctc tctaccctat ttctctctgt ttttcaagta gcaaatgctt 120

ggccagattg tggatgtggt ggtgactgtg gtgacctttt gttttttgcc aatctcagtg 180
 ttgtaaaggc tcttatactt ctcagcacac gaaggctcgc tcatcgaaca tgtctcattg 240
 agtaagggta agtgaaaata cactaagcga gctcggggcg gctaagcgcg aaaagagaca 300
 acgtctcat tgggcgggct ggctggatgc tgagtgcgca gatctctaac t 351

<210> 17347
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 17347

taattcaagt agaatccatt aaaacaaaa tgtaaacat tagaggtcac atttaactat 60
 atgtaacatt aacatcttct aggaactttc gtgcttggtc gccttcaca acactttcat 120
 tgatgacagc agaagcaata tcactatctc ctacataatt aaatgtaaag aaaattaata 180
 gaaataatcc taaatataat aaataaaatg ttatctgaca aacacaatga tttaaaagga 240
 agacaataat tagaaaatag tgtcatgtga ggaagctcca aaccactgat atgtggaaaa 300
 tatagcataa attttaaaaa cttgacatat aaaaatacac catgagctag gaagccttga 360
 accactgata tgtggaaaat ataaagtatc catgtacata ttgcatcaaa t 411

<210> 17348
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17348

agcttaacaa ccctaaattc tgattgtaat ttacatttag caacagtcaa aatcacttga 60
 cgttcaattt atacacttta gatgcgtctt gattataacg aatgtcttca caatactagc 120
 tagatggatt attgtgatat cgtgatgtgt tttttaagaa tttttttaat tcttaatttt 180
 attggtacta atatgtagaa ccatgcaata catgagaaat tagtgtttaa tttttattat 240
 tattttaatt aatatgtaat ataagcattt tttattcttt tctctttcaa gtcaatttta 300
 aaaattatth aatgtaaaga aaaatgagca tgattttaga aaaagggaga gaaaagaaaa 360
 taatagcaaa gaaatt 376

<210> 17349

<211> 412
 <212> DNA
 <213> Glycine max
 <400> 17349

tccaccctgc ctgtggcatg gcaacaagca catggttcac taatcatgaa tgtcacgctt 60
 ggtcgaacct gtcaaacatt ggtaaagcat cggtaattca ttttaataaa tcttactaaa 120
 cttaactgag tgttgtgcc acaattatca gagggaaagc aacttgaaaa agaaaaatgt 180
 agttcaagca ttattctttt caatctatag ccatttttagc atgtctgagt tcagtgagtt 240
 gaatcaagtt gaaagatggg gatcagtaaa tttggcatatc tatttgagaa gttatacttg 300
 aataaaacca atggaaagtt atatacaaaa gaaaaagggg gaaggctcgt tgatgtttca 360
 tatgaaacac atctttcttt tccacacttg tctctgataa tgggataaca aa 412

<210> 17350
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17350

cagcttcatt aatagacttc ctccagaagc ttcattaaga ggcttctaac acactcccaa 60
 catcttttca aagatcccaa cgcgcataatc atggaaaatt gtctttggaa gttgcaatcc 120
 aaatttcgag aagatccaac ggtaacgaa ggctggacag agtttttacc gagacaactt 180
 catgtagctn tctctataag cttcattaag aggcttctc cagaagcttt ctcgtggctt 240
 ctttgagaag ctatctcaag aggattcttt gagaagctag atccttatct atccacaccc 300
 ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataat gtaacanata 360
 atcaaacatc aaacataatt ac 382

<210> 17351
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17351

aagcgcgggt ctgggggacg aaggtcaagt ggtcgcgata tacgaagatg atgttccgag 60

tacattggat ttggtacgac catgccctct tgatttccag ctgggaaatt ggcgagtgga 120
 ggaacgcccc ggcatttacg aaacgagcat aatgtaaacc ttacgggttt taaaagctct 180
 atagttgggc ctaggcttta gagttttttc ttttgtaaag gctttgtgtc ttttgttttt 240
 gaatttataa tacaaggatc tttcttcacg tgttcctacg tctctacca ttctcatcca 300
 tttgcatgtt tacttcttta tttctgaaac ggcagatccg atgacgagtc cccgaaggt 360
 actaatcct gtgaccgccc tatcaacttc gagcaagaaa cgaatcanac ggaagatg 418

<210> 17352
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 17352

ctaccaagtt atcttgagcc cttcttcacg aagcataggt atttaacctc cattttcaac 60
 tctaagcttg attttcattt cattttcttg ctctattctc acatgtagtt tctaaatctt 120
 atttttgcac tcttgaaggt tggaaacttg aatctaaact ccgccattct tccctctaaa 180
 tttcatggag actacaagag gtagggaggg gtctccatct cttgaaccct atgtttgatg 240
 ttaaacttcc ttgaacatgt tgctgtcttg aaattcttgt gcttgcttcc ctattatgga 300
 tctatgtgtt gagctatttt acttgagttt tttaagccaa aaatgagttc tatgaatgtt 360
 agaacctaag gttagcctta tatttcactt aaattggatt ttcttgcaaa agttatgaat 420
 a 421

<210> 17353
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17353

agcttgaat cgattaacgt aattgtgtaa tcgattacca gacataaaaa attcaaattt 60
 caagtctaaa gagtcacaaa tcttcagaaa ctaactgtgt aatcgattac cacttttatg 120
 taattgatta ccagtaagga atttttgaaa ataacttcca agagtcacaa ctgttcaaga 180
 aatttgttat gaccatctaa ggcctataaa taggtgattt gggatacaaa attttttaga 240
 gtgtttctga acaaaattgt cttatcctct caaaaccaa ttgtcttacc actctcaaaa 300

tattccttgg ccaaacactt gcaaattcaa taaggaatct tgagggagct tcacattgta 360
atatacttct cttaaagaga g 381

<210> 17354
<211> 422
<212> DNA
<213> Glycine max

<400> 17354

tgtcccaatt gagccagttt attcctcttg ttgatgcacc ttttgatccc caccaaaata 60
aattcagcat catttaaata tcatacctcta gtgtggttgg aagcaagtgg atactcatgc 120
aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct 180
cgagtagtga ttgatgcatt ccaaaatttg atcctttaga caactgaaaa tttctttatt 240
tcatttgcct atgatagaag ggaggcctaa gtattttcta gaccctatga ttgtagaggc 300
acccaaaaga aacatgattg tttgcgtcaa atattgttga gtgttggtgc tgaaaaaatt 360
ttatgacttg tctaaattaa tcatttggtc aaaagccctt ccataggtat ctaggaattg 420
ag 422

<210> 17355
<211> 382
<212> DNA
<213> Glycine max

<400> 17355

agctttcatc cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg 60
ggtaagtacc tcgaaccaag cttttcgatt cattctatgc acccgtagtg gtccacattg 120
tgttccgtgc atttttattc tcgttttgtt tactttttat accccctggt gacgtgctta 180
agccatttta cttaagtcac ttctcgctta acttaaaaat aaaataagtt tccaccgaac 240
atttgaattg cattatccgt taacttcggt taaaatcaat tccgaccgtt cggtcgtgcc 300
gtaaccacgt tggaaatcaa aaagaggtag aaaataatat aataatcaaa aagacatctt 360
ttagtgaaat aaagcggaca at 382

<210> 17356
<211> 420
<212> DNA

<213> Glycine max

<400> 17356

tttgttttca attacgagcg tcttgatata ttacggtatc ttttcggaca tccgagtcaa 60
aagtgattgt cgttagaatt tgctcagagc ttctgtcttc aattacgagc gtctccatgt 120
attacgggac tcaatcggac atccgagtaa aaagatattg tcgtttgatt cttctcagag 180
cttcaatttt caattacgag agtctcgata tactacggga cacaatcgga catccgagtc 240
agaagttatt gtcgtttgaa ttggctcaga gcttctgttt tcaattacga gcattctgat 300
ttaatacggg acacaatcgg acatccgagt caaaagttat tgtccgttgg atttgctcag 360
agcttctgtt ttcaattacg agcgtctcga tatattaccg gactcaatcg gacatccgag 420

<210> 17357

<211> 374

<212> DNA

<213> Glycine max

<400> 17357

agcttgccctg aaactatatg agatcccttt gtcgttgccct tccaacgagg gtgaagctta 60
aggagaaccc aatctcctat ctggtagtgc acttcacgac gtttcccatc agcttggttt 120
ttcatagcag cttgttcctt agaagcttat ttogaatagc ttggaaagtg ttatccctat 180
cagttaacat ctcttcaacg gcctcaatgt tcgaagaccc tgtaatatat tcaggaaagt 240
taaagggttt tcggccaaag gtgacaccat acggattggc tccagttccc gcattccatg 300
aagtattatg ggaccattcg acccacggga ggagcttccc ccccatgctt ggccgacgat 360
ggatgaaggc tcgc 374

<210> 17358

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17358

tctaaactnt atacaagaac gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaattag ggggggtcga attaagatat tgcaaaactat ttccccaatt aaaaatctat 120
ttcaatttca atgcaagtta caagttccct taaaatgaac tcttaaataa tgattcaa 180

agaacaatct gaatataaat gtaaagcaat aataaataaa agagttaaag ggaagagaaa 240
 gtgcaaactc atatttatac tggttcgacc acacccttgt gcctacgtcc agtccccaag 300
 caaccgcgtt gagagtttca ctatcttgta aaatcccttt acaagttctg agcacacaag 360
 gacaatcctt cctttgtgtt catatctttt tacaacaaga gaccctcggt ctctcaatcc 420
 ct 422

<210> 17359
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 17359

tgcttccatt ttcaattaca agcgactcga gatattacgg gactcaatcg gacattcgag 60
 taaaaagtca ttgttatttg aatatgttca cagctactgt attcaatttt gagcgtcatg 120
 atatattttg ggactcaatc ggacatccgt gctaaaagtt attgtcgatt gcatttgcta 180
 cgaggcttcg ttttcaatta cgagcgtctc gagatattac gaaactcaat ccaacctccg 240
 agctaaaagt tattgccgat ggcatttgct acaagcttgc gttatcaatt acgagcgcct 300
 ctatatatta cgggacttaa tccgacctcc gagataaaag ttattgtcat ttgaaattgc 360
 ta 362

<210> 17360
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 17360

tcattgccta acaagccaac ttacaacagc aagccttatg agactcagca taaggatgca 60
 cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaaggtgca aattgcaaag 120
 aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggg acttgaaccc 180
 ggtgatgatc ttggacattt gaggacaaat gttttccaag aaggaggga tgaatgagaat 240
 catgaaacag gccaaatata gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg 300
 agaaggacaa agcccccgag tggagaagga tgaaggccca agtggagaag gatgaatgcc 360
 cagaggcaga gacactatca agactattaa ttgatgctga aggccaagat taatttg 417

<210> 17361
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17361

tttcttgcac tgcaagtctc ttagatcttg tagaaaagct agattgtaac ggaatctaata 60
 tgggaatgaa aacataatth cagatgcaag aagctaaaac accaaatgag aacagtcctaa 120
 ctctagatat ctagcaaate attcacatga tcatcatagc tattattttc catacaatct 180
 ttatcttcat caatatccat ggcagtttct ctagattcca tcaagttcat tatcaaatta 240
 agttttcttca agttatctag aggggcacca acaacaacac taacatcctt tcctacttga 300
 accaagtttc attcggagta tccaaatcca aaccaaagtt atatgaaatt ccatcattat 360
 tcctaatacta atcatcata 379

<210> 17362
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17362

ntaatatate aacagactat gatataatat ataagactcc atggacttag tttaaaaaatt 60
 attagtatgt ataattaatt aaatagtaaa taattaatgt atttgatatg caagatgggt 120
 gttataactgt tagttttttc tttttttgaa acaaagagac tttattaccc ctttcaaata 180
 ctagtcaata atacaagtag gatgtgtctc aaaatcttga aagctagtgt aacttctaga 240
 agcccagagct aataagtgag ctattagatt tgtttgcctt ggagtgaagc aaactttgta 300
 aagcagtgag gatttcaaca aggatttacc gtgccttatt atttctccaa acccgagagct 360
 atctatatgc tccttattga cactattcga tattcttttg cagttcactt caatttc 417

<210> 17363
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17363

tgctttgctt ttgctctcct acagattgag ataaatgaag aaaaattcaa agcttccctt 60
 caccgatccg aatgactgag atgaatgaag aaaagtccaa agcttccctt ttctctgcca 120
 acaaactgag atgacggaag aaaagagttt agtccaaacc ttccatgttc ctctcccaca 180
 aactgagaaa tattgtagca tgggagttgt tgcgactggt ttagacaatc ttaatgttgg 240
 attttaaata acctctcccc ttgtaaaata aaagaaataa attatagatt tccatagtct 300
 acgctgatga aattcactca acctttcatc ctttcgtaat ccataataaa cccaagaaac 360
 aaattataaa ttagagaaa 379

<210> 17364
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17364

tgcctcacag aggtccagga aggataaggc ggccgatgga actagtcttg ctcttgagta 60
 tgacagtcac cgcttttagga gcgctgtaca ccagcagcgc ttcgaggcca tcaagggatg 120
 gccatttctc cgggagcgcac gcgtccagct caagacgtta aagaagcgc actaggaggc 180
 aacctagtac cttttgaatc tatgcttggt atttgatcac tttttatagt aggacgcacc 240
 tagttgctca tgatcctggg aatttaaata aaacaagcgc aagctcgaaa ggtagtcata 300
 cctcacaaaa tatatatatg tatgtttagg tagtgaaaat accttagata tgcagtgtatg 360
 taaacaaaaa aacacttcac aaaatatata tatatgtatg tntaggtaga aagatacc 418

<210> 17365
 <211> 329
 <212> DNA
 <213> Glycine max
 <400> 17365

agcttggggt taaactctct gtagttgctc tattgttggt cttcagatta aaccaatgag 60
 gaaggtgaaa ctgacgacga aggtgctttg agtttttttt ttcttttctt tcttttcatt 120
 tgttcttggt tgattttatg tgttgggggt tgatttcgac gatgcatgt gttaggattg 180
 ctgacgttgg tttttatttt gttccgacga ggaaggtgaa actgatgacg aagttgtgct 240
 gaggtttatt ttgggttttc cttttgttct tttcgattgt tcttgtttga tgttatgtgt 300

ggggatttga cttcgctggt gcagtgtgt

329

<210> 17366
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17366

tccatcagga agggtcgtcc ctgtgtggtt cagactttgt aaaaggagtt ttacaaagag 60
agtggaaaat ttcaagtggg ttgcttgagg actggacgta gacacgggaa gtggccgaac 120
cagtataaat caagtttgca ttccttcttt ccttaaactt cttttattta ttgctattta 180
tcttttgctt taaagaagtt tattttgaat tgtcttttga gtaattcatg ttaagggtgc 240
attgttaatc caaaaagaga gagtgaagtt ttaattgggg aatagtcctt gtattttaat 300
tcaaccccc accccttctt aagataactg aggccatttg tccaacatcc tattcttgat 360
aactcacttc tctctaanaa gacaaaactt ccggaatgat aaaatg 406

<210> 17367
<211> 377
<212> DNA
<213> Glycine max

<400> 17367

agcttatctg ctgttaccaa ccaatggcca ggagcatcat gtgggcctcg cacgacctca 60
gctgtctcca cgtatttaag tagtttaccg gcgcgaactg gcacaggagg accatctgga 120
taaactccag agttaagtgc agttggagcc tgttttggag gaccggtggt gccatgctga 180
gtgaacgaaa atgttgtgct caaatttggt agaaaagatt ttcttgaagc ctctggtgca 240
gcagtccact ctgacttccg gatactgcaa ttgggtatat gagtaaagag aagccgtaga 300
tgaagcacat tccttggcca gtcctctttg ctaaggagtt gtgcacctgt tacaatatat 360
acacctgcag aattaat 377

<210> 17368
<211> 417
<212> DNA
<213> Glycine max

<400> 17368

ctataaggaa catgctggag aggaattgaa gttggtgtgc ttccagaagt gatgccacgc 60
caactgaata ggccactatg tgatttcata tctagttaaa cacctcacat aaggatctaa 120
gcatcagttc actacttcag tctgcccacg tattagagga caataagcag tgctaattctt 180
caagagggta cctgggtctct ggaacacttc cttgcaccag agactcatga aaagactgtc 240
gatgccagat actactgatg caagataacc atgcacactc accacttctt taatgaataa 300
ctcagctact ccctcagttg tataagggtg actccatgcc aaaaaatgag ctacttagt 360
cagcctatcc actaccactg atatagtagc cttccctaga gctactggta agccttc 417

<210> 17369

<211> 378

<212> DNA

<213> Glycine max

<400> 17369

agcttccatc aagtggtaat cataaacaag agctgcaagt aggtgctcct taaacctcca 60
ttaatTTTTT gttttacctt ctctccatt gtttttctt catttttcta catgtatctc 120
ctcaaatttc ttgtgctaag tgtttttaac atgattcttt agagtttcca ccgattaaac 180
ttggtataga agctagattt gattttctat ggttcaaatt tcttgatctt gttcttgaac 240
catgaattgt gttgagtta gggtcctttg agttttgtct tgttattttt ttgtggatga 300
atcctaaact ataaaattct tacaaaaata ttaaagtata agaaaacctc aaaaaaatct 360
atagtgattt gttcacct 378

<210> 17370

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17370

tctcaagcaa gcttccgtca tgtggtatta aaagcataag agcttcaagt aggtgctcct 60
taaacctcca ttaattttca aatttacctt ctctacaat gttgtttctt catttttgta 120
catgtatttc cttgcatgtc ttgtgctaaa tgttggttaac atgattcttt agaatttcca 180
ccgattaaaa ttgctataga agctagattt gatttccat ggttcaaatt tcttggtctt 240

gttcttgaac catgaattgt gttgagttta ggttcctttg agttttgtct tgctatTTTT 300
 tgtggctgaa acttaaatca taaaattctt acaaaaaaat tgaagtagaa gaaaacctca 360
 aaagtctaga gtgacatggt cacctattgt agtntgtca tagaagtcac 410

<210> 17371
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 17371

agcttgtctg cctttccaac atcaagaacc aatgcttcca ctatagagcc actctccaaa 60
 atagttccag ccactatgga atcatatcaa aatgagaatt ggtacttgca cttgataaga 120
 accatccaaa catattagtt aataactaaa taccatgtgg gaaggagaaa aattacactg 180
 ataattggca ataaaaccaa aaacatcatt ataatgttca aagcttataa caagtccaac 240
 atcctcaaca gccttaactt tgccttttgc aaccatacca atgttaaate cttcatccca 300
 ctttgtatca gatgcaccag agccacagta ttccaacctt gcaatctaate tcaaagatgc 360
 acacaagata agaagtaata gaaaaggg 388

<210> 17372
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17372

ntataaggag acattttggt agagatattg aagttggtat taatccagaa ttcagcccag 60
 gccaaagtagt tagggcacta ttttagttta gttctagtta aacacctcaa ataaggttct 120
 aagcatcagt tcaactattc agtctgccc tctatttgag gacaataggc agtgctcatc 180
 ttcaattggg ttctgtgtct cttgaacaat tcttccaaa agagactcat gaaaagtctg 240
 tctctgtcag atactattga tgcaggaaaa ccatgcagtc tcaccacttc tttaatgaat 300
 aactcagcta cttccttagt tgtataaggg tgacttaatg ccaaaaaatg agcttactta 360
 gtcagcctat ccactaccac taatatagtg tcttccctt gagcttttgg taagcctcca 420
 atga 424

<210> 17373
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17373

agcttgttcc atttgggtcca ttgctgagaa gttatggtga tacaattgca actgcaaaaa 60
 caatcggaca atattgggaa gaagatctat cctgcatgag ttggcttgat caacaacctc 120
 atgggttctgt cttgtatggt gcctttggta gtttcaactca ttttgaccaa aaccaattca 180
 atgaactagc tcttggactt gacctcacca atagaccttt tctttggggt gtgcatcaag 240
 acaataagag ggtataccct aatgaattct tggcgtgtaa aggtaagatt gtgagttggg 300
 ctctcaaca aaaggtgcta agccaccctg ctatagcatg tttgtcacc cattgtgggt 360
 ggggacatgc tacgtgcacc cag 383

<210> 17374
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17374

ntgcagtaga tgccactcta ctctaaatth ttgaaagata tgtaacaag gaagcacaaa 60
 tatattcatc aggaaaacat catagtggaa ggaaattgca gtgttgatgat ccagaaaatc 120
 cttccacca agcataaaga tcttgggagt gtaacaattc cttgttcaat tggagaagtc 180
 aatgtgggaa aagctcttat tgacctagga gccaacatca atttgatgcc actctccatg 240
 tgttgaagat tgggagagtt ggaaataatg cccactcgaa tgactttaca attagctgac 300
 cgctccatta ccaggccata tagagtaatt gaagatgttt tggtcagagt aaaatattht 360
 atcttcccag cagactthgt ggtaatggat atctctgaag atactgacat ccctgtaata 420
 tt 422

<210> 17375
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 17375

agcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60
cggttgaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt cggaagtgcc 120
tcggcttaga ttttcttcac ggaaacaatt tttccaagca aattcgaagg agagagaagt 180
gcctaagggg ctggaccctt ttcttcttca tttctctccc tatttatagc aaaatagggg 240
aggtgggttc cgcccagctc gcccaggcga gctcagctcg cccaggcgag cagggttgct 300
tcctccagaa gcaaccgctt tctggaggaa tattccagag ggccaagtg ggcttgggtg 360
ctatttgcac ccccatnttt acta 384

<210> 17376

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17376

tggttcgagg tacttaccg ttgaagatcg aagaactatg attaacgaat gaagaacgtc 60
gaagaacggt tgaaaccttt gcgagattcc tcacgaaaaa cgttacggaa acgattcgga 120
agcgcttcgg cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
aaaagtgcct aaggggctgg accttttttc ttcttgcatc cctcccctat ttatagcaaa 240
ataggggagg tggttgccgc ccagctcgcc caggcgagct cagctcgccc aggcgagcag 300
ggttgcttcc tccagaagca accgccttct ggaggaatct tctggagggc ccaaattgggc 360
ctgggtgcta tntgcacccc catttttact aagtacaccc ccctctgctg ttttttttg 419

<210> 17377

<211> 386

<212> DNA

<213> Glycine max

<400> 17377

agcttcttta gtagcgtata ttattactta caaatgatt tatcaaagaa tctaataaa 60
aaattgaaat tgatgtttga ttcttctagt ccaaaaatta gaacttggga ctattttcca 120
attaattgtc ggactggctc ctccgacttt aagtcaataa acagaatata ttatcgtttt 180
atattaagta ggtaaatttt aaggatgaaa atcgaacttg aattgaacta atattcttaa 240

```

agattaatta caacgaatga agtttttata tgtcaaatga gtttcagttc agatctaaat 300
aaaagagtct gcaagatttt taacttttta atttgaatta cacacacatc atttataact 360
cattccaaac tcaacattac acacat                                     386

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| | |
|-------|-------------|
| <210> | 17378 |
| <211> | 423 |
| <212> | DNA |
| <213> | Glycine max |

| | |
|---|-----|
| tgcttaatca atactatgat agattgatga tggctaacca agttatccta ctatggtagt | 60 |
| atgtgcttta acacaatggt aggaaatcca aaattgacca tattgcctac aagcttttga | 120 |
| tcaagtaacc ccaatgacta agatggaaat gtattgtgat tagtgattac acccttaatt | 180 |
| aacttaatag tttattagtt tattttattc ccatgcaata attcattttt agaactacga | 240 |
| tgttggggtc ttatttttcta aagtgggtcta gccttaaata actgaatttt agacctttgc | 300 |
| tcatatacca ttaattcatt actattttaa gttcatatga ttttatctat ttaaagtgtga | 360 |
| tattttatggt actcttatat ttatattggt gactgggtga tcaaggcatt atatatcatg | 420 |
| att | 423 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|-----|
| agcttctcaa | tcttttttcc | tatttttttt | cctgtctttt | ttgttgggtt | gtatgtaaca | 60 |
| aaaactatta | tttgtgatta | tatatattata | tattttattgc | aatgtgttat | ctaatatatc | 120 |
| taatgtaaag | gagtagtata | tggagaaaag | atgtagattt | gaccgctatg | agagagagaa | 180 |
| aacaaataaa | aaactctctc | tgggtattttt | tgattattat | aaagatttgg | gacttgaaaa | 240 |
| aaaatctaaa | cacaaaataa | catgtagatt | tgattgcttt | gagagagaga | ataaaataac | 300 |
| aaactctttc | tatacccaac | gatagaagac | tagactagga | aagttacaca | gtanagcaaa | 360 |
| acattcttag | agagaacg | | | | | 378 |

<210> 17380
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 17380

tgattcatga ttcaattcat gtatctttcc attaacaacc gaaatatcac taccaccaac 60
 agctctcttg atggagcttg ggtatttcat taactgacca ataccaaacc cagaatttat 120
 tttaacacca gagtcttttag caaagttcac ccctttatca ttgttcaaac atttattggt 180
 ccttatgcc gaattggttg attgtcttcc tgtgtggccg taatcagaat acagtttctt 240
 gggcatgata gggctgccat cattccacaa attttcacta gtttttgtct tcccccata 300
 ttgattatca aattgcagaa atggtgaaaa ggataaaccc ttggccacat ttttagtttc 360
 tgatctagct ctagcagaag cattaaccac agcagacata tatttc 406

<210> 17381
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 17381

tatcttatgc tataaacatt tataatagac cccctcaaca aaaaaccaa cgacaacaga 60
 ataattatga tctttcaagc aatagataca atccaggttg gagaaatcat ccaaattctga 120
 gatgggcaag tccttcacat actacaacat cctgccccta ctttgcaaaa tgttggttgg 180
 ccaagcaagc catatgttcc tcttccaata cagcaacaac aacaacagta gcagcagtca 240
 caacaagac aacaagcaac gaggtctctc ctcaaccttc cttataagag ttagtgaggc 300
 taatgaccat ccagaatatg caatttttagc aagagacaag atcctccatt catagtttga 360
 cagatcacat ggtgcagatg gctactt 387

<210> 17382
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 17382

tgccatgtcg tcgtcgttct gacctaaacc tcttcttggc ttgtaccaa gcctcaacat 60

[illegible]

<400> 17383

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<210>      17384
<211>      422
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17384
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7289

ttacttggtg gagtgaatag aaataccaaa aagaaagaan aatgcaacca aaagtgactt 420

gg 422

<210> 17385
<211> 382
<212> DNA
<213> Glycine max

<400> 17385

tgcttgcata aacattatat aatcatcaat ttgtcaaagc taaattcatt caatcgccaa 60

ataaggcagg caaggaaata aaaatggaat ctaaattcta aatagccctt gctaattaat 120

atactacaat catacgtaac taaacaccat gctacagaaa atagacattt gtctacttcc 180

aaggaagatg aggtgaagat aagagctaag ttgatatttc atatgagaaa tcccaagtat 240

tggtatgatg gcctctcttg catagcattc attttccttc acatattcca gaaattgaaa 300

caaagcattt tcttactgta aattaaaatg tggtcagtct actcaaattg gtgcatacct 360

tcgatcattg gttttgtcag ct 382

<210> 17386
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 17386

tcgcctcctg cgggtcccac catctacacc gtccatttgc tccctcaaca acccaagaat 60

ggtactcctg gcctccctct gagtcgcgag cgattcctgc aacgccacac cgagttgact 120

catatcgaac caaaaaaaga gttacgaatt gaagaagtga tgagggacgc gagtagtggt 180

aggctagggc cacagagatc tcgtgagctg gaagagcatt taaacagaaa acgacttctt 240

aaacaagaat atatatatat atataaaatt aatgtattta aaaattataa aaaaataaac 300

aattttttta aaaaaatctt ataattatcg atggagaata aagtaatttg ctaaggatca 360

tctattcata atattaagtg ctacattntc atagtttagt aattaatttg aacacgtatc 420

ag 422

<210> 17387

<211> 382
 <212> DNA
 <213> Glycine max

<400> 17387

agcttttggc atcatataaa atttatggtg atcaacaatc acatcacact tgcttttcat 60
 gggttgtggt gtggtgatca caccattatc tatgggtttt ttaactttta ttttagtaat 120
 tctactaaaa ttataacatg gtatTTTTTTT agaacttgca ttttagttta tttattatac 180
 aggataaata tatatTTTTat aaattaaaat tcatgattaa taaatacttt taatatataa 240
 attatattat aattaaatcc aagataaata aatatatata caaatatata aattatattt 300
 taaatcaaca atgaacaatt tagactgtgc atggtgtaag gttatTTTTa attattaata 360
 atttatttta aaaaaattag ag 382

<210> 17388
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17388

ntagcacgat tgtgaaatga aattatgctt attttatcat taaaactcaa ttaccatcgt 60
 tcatttttat atttccctcc ttttaatcta ccaaaatggg actgtaattt tttatttacc 120
 cagtctggga tttgtgcgcg aaaacattag gtttgtgaat atgaatacaa aaattacatt 180
 gggatatatc tttaatcgta ttcatatgcc tactaccaac cagctctttc ttggacttgg 240
 gcttaattct gatggaacca ttaagggtcaa cgactcattg attctgatga aattaattag 300
 gtaaagaata ttagttagga aaatgctaatt attgaaatat taaagatatt tttttatgaa 360
 aaaagtatta tcaacatacc cttatcaagt ggtaacagg tctaaatatg aactgaatg 419

<210> 17389
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17389

agtttataaa agtccttctg attcaattta tgcattccta actgtatgcc atgagatgaa 60
 gtgcaaagggt tggacctcat gttagttggt aattattgat tagtttaaac acttgagctt 120

gagtgaaca gtgactatga ggcactgggt aggcacccct ccatgaaatc tgtctgctga 180
 ttagtttcat tcagttgtgt tgcttaataa aaatgctctt atctctcaaa atctgcatgt 240
 cttgtgaaaa accattgatt gagtcattgt atagatttct tatcatatga ttaatgtttt 300
 ggaagcaaac accctttgta aataatcact gcattatttt tgcaattgag gacaagtgag 360
 ttgttcttta tttgcttga 379

<210> 17390
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 17390

tgtgtgtaaa aaaaaaactt gaatttcaaa gttaggctaa ggcacgggtg ccactaagcg 60
 agcatcttcg aaaaccaaac gtcgcttcga gaaaacaaaa tggcttatgt gagtgttaatt 120
 gcagttacac tcacatttgt tggaaactgc tgaactgcct gcactcttct tctcgactc 180
 attttactgc attttcgctt tcttttgcac caaagcatca acgatacaag taagttcctt 240
 actcccttca tttttttttt gttgaacctt agggtagaaa accatagatt ttagttttca 300
 gtcttttaggg ttttcataat tttagagtag gtaaaaaatt aggacttttc atatgattgt 360
 gttgtgtaga tattttcaat tgtcttgcac gtttgataat gcctttta 408

<210> 17391
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17391

agctttgagc aaattcaaac gacaataaca tattactcgg atgtccgatt gtgtcccgta 60
 gtatatcgag aactcaaaa ttcagaatag aaggctcgag taaaatgaaa cgacaataac 120
 tttttactcg gatgtccgat tgagtctcgt aatatatcga gatgctcgaa attgaaaacg 180
 aaagctcgta gcaaatgcaa accacaataa cttttaactt ggatgtccga ttgtgtcccg 240
 taatatatcg agatgtcca aattgaaaac agaagctctg accaaaatct aacgacaata 300
 acattttact cggatgtcca aatgaatccc gtaatatatc gagatgctcg taattgaaaa 360
 cggaagctct gagcaaa 377

<210> 17392
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 17392

tattgtcggt tgaatatgct tagaccttat gttttttatt tcgagcgcca cgatatagta 60
 cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttcc tcagagcatc 120
 agttttcaat ttcgagtgtc tccatatatt acaggactca atcagacatc cgagttaaaa 180
 gttattgtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240
 taaggacac aatcgatccat ccgagaaaaa agtgaatgtc gtttgaattt gcacagagct 300
 tctgatttca atttcgagcg tgtcaatata ctacgggact cgatcggaca tccgagttaa 360
 gagttattat gggttgaatt ttctaggacc tactattatc aat 403

<210> 17393
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17393

tgctgctaca agtttatgta taatctaaat ttagcatatg aagaacctga tttcagtttt 60
 ttcttctccc aaagggtgctt ctggagaaaat ttatccaaac aagtatcacc ttgataattt 120
 ggttttaagt gaaaatgtta ctcagttaag tcaaattggg ggggggggatt attatacagg 180
 acaaatatat attttataaa ttaaaattca tgattaataa atacttttaa tatataaatc 240
 atattataat taaatccaag ataaataaat atatatacaa acgtatgaat tatattttta 300
 atcaacaatg aacaattcag actgtgcatg gtgtaagggt attcttaatt attaataatc 360
 tatttttaaa aaatt 375

<210> 17394
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 17394

tttcagcacg gggttggtgc ctatatttat ctagttctag tgttaaatta cttaaaaata 60

[illegible]

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| atcattatac | atagtcgcc | tttgcttgac | cttctttatg | cttaaaaaca | gaaacattaa | 60 |
| gcaaaagatc | aagaggaatt | agtgggttaa | aaccataaac | aacttctaaa | ggagaacaat | 120 |
| tagtggtgct | atgaacaact | ctattgtaag | caaattcaac | atggggtaaa | caagcttccc | 180 |
| aagtttttaa | gttatctctc | aaaactgtcc | taagcaaagt | tcccaaagtc | ctattaacaa | 240 |
| cttccgtttg | cccatcggtt | tgtgggtgac | aagtggttga | aaataacaat | ttagtgccca | 300 |
| acttgcttca | caaagtcttc | caaaaacgca | gatcatgaag | cctaggtata | ggatgcgtat | 360 |
| acttaatggc | gatgtta | | | | | 377 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aagcaggagg | gccacaataa | acaaatataa | aaagaggcca | aacaaatcag | gaaaaccgaa | 60 |
| gaaactgaca | agccagaaat | catggtcaaa | ggagagcaac | agagcgacag | cgaaagcccc | 120 |
| aaaccccaaa | acgaagatgg | cacagacgga | actactgcac | gcgaggcgag | gaacaacaac | 180 |
| atctgactct | gcgtgaggct | ccgaaggcag | aaatccacca | acgggggaca | aacgaatccc | 240 |
| tcaagcatca | gacaccggaa | aagaactcga | tactcagcga | cag | | 283 |

<210> 17397
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17397

attccagcag ccaaggaccc ctttgggtctc tttgttagga ctngaaatgg tttgggcaca 60
 tgaattaaca aatataatgg ttgtttttaa tttcataaaa actctagtgc gattttttta 120
 tattctgtct ttcacattaa agatctatag ggtctggttt gataaacttc ttcactccat 180
 aataaatggt aaaaggataa atttcttcta ggagaaaaaa ttacaagaaa aaaaatgaaa 240
 taagttgttc aatcgtttta atgttttatt gatattgtaa aatgacaatc aaaatggaac 300
 aaaagaattt actaaaacgt caaacaaaac aagacggagg agggagtaca tataaaatgg 360
 aatattacat gatgcagaat g 381

<210> 17398
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 17398

tcaggatttc aaaagactgc tctaacagcc tactggtatg acttatcacc atatattgca 60
 tgatcgatca tgttttgatt tttgactccc ttccatgtga agatgccttt gctattgaag 120
 gaggagaagc tacagagctt aagttctcac tgcttatgag aaactgctga ggggcaccgg 180
 aatatttact tgaaagctgc caagaattac ttggaaaaga caccaaata atcttatgta 240
 gaattcttat gacttctgca ggtgctatct aattttcaga tgatgcattt gtgacgatgc 300
 tagcacgcat gatcgcaatg ttggttctat tgatatagag at 342

<210> 17399
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 17399

tcaagctgga cagtgtaggt gacatagcga acaacatcat ctttttaggtt cattttttgg 60
 cagcgaaggc gcggggagggt caatcatgca cagcgtgaa cgacgtggtg tcgcacgcct 120

gactttattc ctctctgaga gtgacttggg atggtttgca cccacctatt gttgaagcat 180
 actcctcaca ccctatccat gccaccatga ctctgggaag cataacctca ttattaatga 240
 cattatgacc gtggattgga gggcctacgt ccttagcttg aacaacatca tactattg 298

<210> 17400
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17400

cacccaacg ccancacaca gaacgagaca accgaatgac tagcgcacga aacacatcnn 60
 nnnnnnnncna aggcagagnn gaatgatgcg tcgctagacn ccgcgannna nacnagnncc 120
 cggggagncg anagacgaga cccgaccgca cgcaatcatt ttgagcgaga cgagggcagc 180
 acagggagag aggagaccac cngccaccac aacaagggcg gccacaaaaa ccgcaaagag 240
 aacaaggcaa aaacgaacgg ggacgagaaa gacagggagg acacccaaaa cagaaggacc 300
 aacaaggaaa gcacgaccac cagcctgaaa tgccagccca ccagaagaga ccaaaaccag 360
 agacagccca agggagaccg tagatganga acaagccgag caaacatata gagacgcgcc 420
 caaaacggta gactaggac gccagtcaag aaggcacggc acaaccaaga ctgggaaaac 480
 tcgagccacc gaaaccgcac aactcgcaaa aacaaggcag agcaggccga cg 532

<210> 17401
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 17401

tttctttcta tattatgcct atgaagaaat tgagttgtgg tgctgagttg tggccggact 60
 gtggaattac aataagtact tacgcgctcc ttattttttt tacttcagac aattgagcat 120
 aagaaaacct accttgtaag tatccatgcc ttaagcaaca tacacactac tttcgatttc 180
 taggttgaaa tacaggctgc tgatagcttt ggcacactgt cttcttatct ccaccgtgtc 240
 ttgtatactc tgaatttttc actgaaatgt taactggata aaatagacat ctgga 295

<210> 17402
 <211> 606

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17402

 cgannaacgc ngggggttttn naactagaat accgtgagnt acagattccn gtctagcact 60
 antaccanag tagctncaca gntcattata ntagcatgca aagacgtnta tggtaggtag 120
 ccentagaggg ggatacgagg acngattgct cncactngta tgattactca taggaanaga 180
 agagaccgtg tgcagtgcat cgnagacact tgatgtcgtc gatcgatatag tagtctcttc 240
 gacanagccg tgatcttata gtatgtctta ctctctctcat atancatgta tgctagagac 300
 agaatgctat gcgagaatca ttatgtcgat gatgagcata gcgggtgtgat attacttgag 360
 acttgaaaact gctgtcaata tgtacaaagc tgttaacgat ggtggagtac tgtactaaat 420
 aataatatag ttctagtaag atatgggtgt ttgcgtgtgt cagtaactgt accgactctc 480
 acaagtatgg taacaccggt cgaccgacta ttcggctcttc agagaatatg ctcacctaga 540
 ccatgtacat tcgatatgcg agcacttata cggattaaaa taaggcaaata agtgagttct 600
 gtactt 606

<210> 17403
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17403

 ttatcttctt aangaagttt tcttaagaaa gcttctcaag gaagctacct agtctataaa 60
 tagaagcatg tgtaaacactt gttgtaactt tgatgaatga gagtcttgtg agacataactt 120
 caaagtcca cttctctacc tcttttatcc cttcaatttc gtgctcccc ctctctcttt 180
 ctctccctct ttcttttctt ccattgaagc atcctctcca agcttcttat ccaaggctca 240
 tcttggtggt gaagctcctt cttccatggc ttattcccta gtggatgggt cctcctctca 300
 cctcttctcc tttgtcttcc gctgcatctc catggtgga aatcaccatt aaaggacctc 360
 attgaagctc aaagat 376

<210> 17404
 <211> 384

<212> DNA
<213> Glycine max

<400> 17404

attcttggaa ggtagtcata cctcacaaaa tatatatata tatatatata tatatatata 60
tatatatata tatatatata tatatatata tatatatata tatatatata tgttttagga 120
gagagatacc ttggatatgc gtgtgtgtag caaaaaaat ctcacaaaat atatatatgt 180
gtgttttaggt agcgagacac cgtggatatg cgtgtatata gcaaaaatat ctcacaaaac 240
atatatacgt gtgtgtgggt agcgagatac gtgagacaca catgtatata gcaaaatacc 300
tcacaaagat atacgtgtgt gtaggtagaa aaacgcctcg tgaaaaaaaa gagagcgcg 360
tagaagagaa ttagaagaaa aagt 384

<210> 17405
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17405

ctaagcttaa caagttagcc tccatcctca ttgatttta tctgaacgg accattcaat 60
ccctggagga ccgtttgagg tcatgtgtct tatagcaaaa ggggagagct ttctttcatt 120
gatagagttc acttacaaca acagttatca ctctaccata ggcatggctc cctatgaagc 180
tctgtatggt aaaaggtgta ggacacctct atgttggcta aagccctgag aagacctcac 240
cttaggactt gaagtggtag aacaaaccac cganaaagtc aagttgatcc atgaaaggat 300
gaggactgct cagagtatgt agataagtta tcacgattag aggatgaaag acttgggaatt 360
cgaggatggc gatcatgtat tctagaaagt cactctgtgg act 403

<210> 17406
<211> 383
<212> DNA
<213> Glycine max

<400> 17406

ttaatcttga aagttacttt caagttaaaa tttcttaggt agtgtgttct tagatcttga 60
gatttgaaat aaagaagaaa aaggaggaat agatgggttt tgctcttgaa actagctttt 120

taaaaggata ttttttcaaa gtgttctttt tttttttgaa gggccacaaa atattatata 180
 tatataattt caaagaaaca tagcagcacc agaggtactg ctggtggttg atacatctga 240
 gaacatagga aaataaaaag cccaaaaaac aaaactgaga aactcagata cacctttccc 300
 atacataaca gaagaaattc agttagccaa agtatcgac tatattggac gaccagtagt 360
 ttaaggagtc actatagtgc ctg 383

<210> 17407
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17407

ctggtattgg cacagtcgag aaaatttaaa tctttcgtct ctacccttg tctctcacta 60
 tccctttgtg tgtgagatat taagatctaa gggagcataa gatgcaaggt tgaatgtgat 120
 tatactattc ttatgatcca tcataaagag aaaagtttat tccatattgaa gtgaaaagtt 180
 gaatatccca tgaaacccca tataaactgc atccaaatga attgcagaaa ggaaatcagt 240
 atgcaaaca aattccccaa aagcactggt tctattatca gtaataaaca caagtaaac 300
 caactttcta aatcaaac ttgaaagata aacaaaatc ccaattgcaa gatagcgct 360
 ataaacacna cctcaaagtc catagataaa tgcctagacc ttgccacat 409

<210> 17408
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 17408

ttcttaaaac cccttgttca ttactaaaca agttgaaatt aatcacaac acaagcaagg 60
 tatectaact acacacaaga gataagaatg aaaaatagaa aagggaaaga aaaagctggg 120
 ttgcctccca gtaagcgctc ttttaacatc aatagcttga cgcattatcc tggtatccag 180
 gataaaaaaa agttcctact tcaaggacct tcttctcagg tctcctttcc tccatcacat 240
 gcactttaag acagacattt tggcttggtg gatctttgtc ctcatggaac aattcaaagc 300
 tgatcttcta tgcccatcta cagcatcttc tttcctatgt ctaccacaca gcttgagta 360
 gacatgaatg ggtggccaag aatg 384

<210> 17409
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 17409

gacctataaa actaagctat gctgcaacat tataatagac cccctcagct tctaaaccaa 60
 caacagcaga ataattatga tctttcaagc aacacatata atccagcttg gagaaatcat 120
 ccaaattctga gatggacaag tcctccacaa caacaacagc atgttccttc ttttcagaat 180
 gctattgggtc caagcaagct gtatgttcct cctccaatac aacaacaaca gtcacaacaa 240
 agacaacaag caactgaggc tcctcctcaa ccttccatag aagagttagt gaggcaaattg 300
 actatccaga acatgcaatt ttagcaagag acaagagcct ccattcagag tttgacaaat 360
 caaatgggggt agatgggtac tcagatgaac caagctcagt cccaaaattc taaaaaattg 420
 ccttcacaaa c 431

<210> 17410
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17410

ttcttcacga tctcacacgt cgaactacat gtatccttca ttggaagaac taagagggga 60
 catgcaaaat aaataactct gacactcaaa taagtacatg aatgagttga gtatgaaatt 120
 gaaaaggggtg aaataagatc tgatctttat aacgtgagat aggagtttcg agtccttgat 180
 tgtaagagag ttattacagt gatgtaacaa ctctagataa ttcctaactt gtaaataata 240
 tatagtagaa aaatcatagc ttgtaaataa tagttaatag ataattcatc acttatagat 300
 tatccaatgg attatagata atccatttat tatagataat tcattactag tagataagta 360
 agtacctgta acttgataaa 380

<210> 17411
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 17411

tatgaaacct aaagaaaaca agaaataata tgtcttaata ttacaatnga tatgattttt 60
gaaaagaaaa tattataaaa aaacaaaact aaccatgttg gatggcatgt gcttaaactct 120
gtaataacag tagtaaaaac aatcttcttt aaaagacct tagacctcaa aattcgaagt 180
ggaacgtgct gcatcagtgg atgcacactg attattatat ctggctgata tttcattagg 240
ccttttagcaa cctcgtgta aaaagagaaa aagatatttt aactgtgaca tttgatgtta 300
catcatattt gagaagagat acacatgcac aagaaagtat ttttctgaaa catggaatgc 360
agaaaaagtc aataagtttt gtctaatttt aacacaatgc acaacataca ttg 413

<210> 17412

<211> 377

<212> DNA

<213> Glycine max

<400> 17412

atcttatatc taatctggct aggaaccgtt gacagtgatg tggaagtcct ccttttacgg 60
acctagttat atatatgctt caattcatac tttcaaagtc aaaacagtaa cattaaagaa 120
tacattctcc ttaagcccag ttgcaccaa taataggtag acaggcaaaa agtttcttaa 180
attacacaat atatagcagt tttggccata tgtatctttt atctctatac tccataaata 240
aaggcacgcc aatagttaat ataacaaaga gatcaaaaat taaaatctaa caactaagag 300
gtaaataagt gaggtttagt tatgaagggtg aaattagttc acgccaaaat tctaataatt 360
agaaaaacaa gacaagg 377

<210> 17413

<211> 406

<212> DNA

<213> Glycine max

<400> 17413

tagtgacata agccaaacac atggtattgg ctaatgtccc tatgaaagcc catccatgtc 60
ccaggttcca agcaaacaca gccattcccc accaccacac ctgctctcca aagtaatttg 120
gatgccgaga ataataccac aaccctttgt caagaatagg gacctccttg ttctttctac 180
tcacaaagtt gtaaagctga gtatcagcaa tgtatgccgt gacaatgcca gatacacaca 240

caactatggc taccaagtc cacatgctca gaggctgggt caccgagtgg atgacataga 300
acggaagaga caatccaatc agaaacacct gcaagggtgt cttgatgtaa attaaaagta 360
aaagcaaggg aaaatgatga ctaagagtaa ccttaattac ctgctg 406

<210> 17414
<211> 381
<212> DNA
<213> Glycine max

<400> 17414

tgtttgcaag cttctgaaat cttggaattt aacataggag ctttttgatt acaaatttac 60
aatctcgagg aatttactga ggtgaggatg atatatgcag tacgattcac ttgcaaaata 120
atctagatga aaacaaaaca tattggctct aaaaactaaa ccatattgat tttctgttgt 180
gaatgcaatc aattgtttta atatcattct tcttaatttt tttttatctt aaaattgcat 240
ggttactagt ctatTTTTTTT gaaaggctaa ggaaaatggg tactagtcta tttaagatta 300
ggagtttagg actgtcatat tttctagaat aacattttgc aattgctaaa ttccctgaag 360
caaaataggt gtttgaactt t 381

<210> 17415
<211> 421
<212> DNA
<213> Glycine max

<400> 17415

gctatcagga cctatgaaac tcagctgccc ccactaccag gcaagttagg tttctttctc 60
cagaagcaac cgccttctgg aggaagaatc tggaaagccc aagtgggctt gattgctatt 120
tgtaccccc tttttactaa atgtaccct ctttaccttt tgtgggtgatt ctttttccgt 180
aacgttacga aactttatga attttgtaac gatacttatt ttctttccgt aaggttacga 240
atccttacgg atcatgtatt gactcttttt tagctttcga agaagttacg gaaactcacg 300
gattgcgcaa caacacctcc ttttggtttt cgccacatta cagaatttca cggatcccgt 360
aaccctgttt ctttttgatt tccggcgctg ctacagactt acatattgtg caacaaaagg 420
g 421

<210> 17416

<211> 383
 <212> DNA
 <213> Glycine max

<400> 17416

atcttatctt gacatactta gtcacacaag tgtatTTTTT aaaaaccttt gtgaaaatat 60
 tattttatca atcaccggac aacaatgttt ttgttctcat caaaactact ttttattcat 120
 tgaacgacat tgttggtaac ttggtttgtg cacatctgct tgtgaaaaag ttttcatttt 180
 tatctaacc ctttctagtg tgatatctat tatttcataa agcctctatc aagatccttg 240
 aattttaagt tggacagctt gctaataatt tggctgaaag gattaccaa aacatttcaa 300
 ccttaactca agaaatccaa aaagtggtaa ctctaagggtg gtgggagatc cttgaatctc 360
 ctatcacacg tcaaactaat gac 383

<210> 17417
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17417

cacaaattaa aatctatgac cttagagact ttcggttggt tttggagact ngaatcacac 60
 acgtgtcatc ttcattgttg tgaatgcaca atcaccttgg aagatgttgc ttttcaactg 120
 ggtttacgcg ttgatggaaa atcaattact agcccaacat attatgatta ggaacatatg 180
 tgcacataat atataggtgt tgttcccccc atagaatgca ttaatgggat caacacttaa 240
 actaaaatgg ttgaaagaaa acatgtttac tttccaagaa gaacccacac cacaataatg 300
 agaaacccat tattgagcat atattttatg atcgatcggg aggggtgtcga tgcttgacaa 360
 gtcagcgaat agaattcacc taatgtatct acctctgtta gcagatcttg a 411

<210> 17418
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17418

agctttttcc agggccaaat tctcgtgcat gcagaggctt cttcaagaaa aactccaaac 60

tccctttgca aatctgattt caggcttaaa taggtggcct tgttcgtgct cgtgcgcata 120
 gcgcacgtat ggaccgctta gtgcacgtta gtaatttttg gcttagcgca cttctctcgc 180
 ttagcggatg agctaaagca gcgcgcttga tgacctggag cgatgcgctc agctaacctg 240
 atagctcatc ttcttctgga ttcttcctcg cgcttagcca ctgagtgtca cgcttagcga 300
 atgctcacta agccagcata ttggcttagc gagaaggtag naacaacact tttgccaaatt 360
 tgcttaatta acctaaaatt g 381

<210> 17419
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17419

agcttaaagt ttggttntgt atatcgattc ttccataatt acacgtcttt gttgtaaatn 60
 ntgatacaga taccatgata cttgatattt taagtaaatt aacatttgga ttcaatcatg 120
 catgtgtatt ttgttggttg aaagttaacg attgcttcga atagagaggc aaaaattaaa 180
 ttaatttggt aatttatggt atattatggt taatttgatt tgttgaggtag taaagtttaa 240
 ctaaaatgat atttaaggat ggtaaagtgc cttttaacgt gcgattcgca ttcatatttt 300
 taatcttaac atctataggc aaaaattaaa ttaatttggt ccctattact atcctaaggc 360
 ctaaatatgc tgctcaccca gaacaccggg tcccttgctt tcaagtttca agagtcaag 419

<210> 17420
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 17420

tgcttttatc ctaagagaag ggtctttgat attgcattgc tatgactttc taataaactt 60
 ggtgaatgac caaaatgccc ctgttctttg ttactgaaaa gagtcaatgc aatgaaagca 120
 cgcgcagtat gctaggggtg ttgtcgacat gaaaagtcaa acctcgccga ggcaactcaat 180
 tggctttgat ggaacagcaa gcaacgaggg gcatgcggca ttgaaataat gctgctatct 240
 aattaatcaa atagaattaa aataataaac atgttgaaag ggatcatata ctacattact 300
 agttattaag gttatacaca tacacacctc cataaggtag gttaagtaga tccgta 356

<210> 17421
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 17421

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 cgattgtata attggcccct caaaaaatta gttacacatt tatcttataa aatttaataa 120
 ttttgacctt ttgttatttt gccatcaaat ttttaacata aaggactaat gtgatattta 180
 agtgataaaa taacacgaat acattaatat tataaatgac atgatatttt aaatatagac 240
 taatatgaca tggattgttc aaattgtgat cattgttact acgtcactaa actattagt 300
 caagtagcat atatattaga ttactagttt attttttata tcgcgtcaat gctatattat 360
 tacttaaata tcatgtcaat aattgttaaa aatcactaac gtaaaaaaat gtgg 414

<210> 17422
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 17422

ttgtatgatt atggggtacc catcacatgt ggtactaggt ggcggtcggg cgatgatgca 60
 caacaagctt tccacatcca caatgcgcgc ataaaccac catccccttt tgcccacctc 120
 caactgagct cacgtactcc cacgtagccc atatcctcgt ttctctcaac accgggtacc 180
 catcaatcct cccaagcttc cacaacatcc aagcaaaaca acattcaaac agcacaagct 240
 atcacagcca agcaaaacag agcaaaggca gaaaactctg ctcaacacat caaccaaatt 300
 cacagctttt ctacttaaa gaccacagta acaattcctt cgatccaatt cgttaaccgt 360
 tggatcgact ccaaaatttt actgg 385

<210> 17423
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17423

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ggccaccttt tcgtggcttt ggggtactcaa tttcaacttn cattgaaatg taatgtaatt 120
ggatctatct tgatgtaatt acaacataaa aatgaatgic atggattcaa gtgacgctcg 180
gtcaagaaat aaaagttgca ttcagtttac taaagagggt tccctttatg agtatttaag 240
ttataacata agcacgaaat ggaggatatt tagagtgtac gctacaaatt tatcgatgac 300
actacaactt atg 313

<210> 17424
<211> 383
<212> DNA
<213> Glycine max

<400> 17424

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tcgggttctt tattctttat ttgtctatgt agtaggattt ctttgtaatt aataaattat 120
cccttttaat ttatttgtct accaacattg aaatccttca ttcattggta cactttgttt 180
agagattaag aaagagtta gatttagaaa tcttttgtgc aaaaagttaa actattttta 240
taaagtgttc attcttcatt tgttttgacc tcttaattat tttttatcac tgcttaatat 300
tagtttgggt agcaatgacc atgttggaat agaccacgac tatggatccg ggggtggaccc 360
acattcctaa gccttagcct act 383

<210> 17425
<211> 368
<212> DNA
<213> Glycine max

<400> 17425

aaactcaagc taaaaaaggc atgcgaagtg ggtggaattc ctagtgcaat tcctcttagt 60
catcaaocat aggaagggaa aaggtaatat tgtatccagt gctctttctc ggcgtgatgc 120
atcactttct atgcttgaaa caaatggat tgggtctagaa tgtttgaaaa gcatgtctga 180
aatgatgaa actattggag aaatttgtaa aaattgtgaa aaatcctcac ataatggttt 240
ctgtaaocat gatcgcttac ttgtcaaaga caacaaattg agtgtgcctt aatgatatag 300
tagaaatacg ctcgtttgtg aagcacatga tagatgttta atggggcatc ttgggggtcca 360

aaggactc

368

<210> 17426
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17426

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tcccctatct cttgcagggt cttcgtcctt ccatcatcca taccaaactct ccatcttacc 120
acctgcctct ctcttgcatt gagactgtcc agagcctctt ctaggtcctt cttcatgaac 180
tgcttaagga gctgttcttc agctgtttcg gcatcaggat cagaaattac ttcttggtta 240
aaaacacaca agtatcagca aaatgaacat caaatgaaag caaagagttt tttttttttt 300
tttctggagc aaaaatttga acgagattag gacagactga gggtttaaga ttctgggtga 360
tcccaatctt tt 372

<210> 17427
<211> 413
<212> DNA
<213> Glycine max

<400> 17427

accagctta cataaaacat aaaagagatc gagtttgtat gttgacctcc caacatgatt 60
caacgaatga tttgcatatt gatcctctca aagacttata atttattatt aatccttcct 120
tgccaagacc tggtagtac gaactttggg cttccttgcc aatatgagta tgttcctctc 180
aaagacttat gatttattaa ttaataactt gttttattaa aaatgattat agttataaaa 240
ctataaacia ttgtatagaa aaggttattc taaagactta attcgggtccc tgattataaa 300
tataacttgg ttttattaaa aatgagtttc tcagttatta aaaaatgtaa gtaagttatt 360
caattgaatc cctcaatgat tgaaaaattg aaaaagtagt tggtttatta ttt 413

<210> 17428
<211> 381
<212> DNA
<213> Glycine max

<400> 17428

aaattgaaca atggaagctc tcgagaaatt aaaattgtca taaattttca cacggatgtc 300
 cgatcaggca catcagatat cgagacgctc gaaattaaaa aaacggatct cgagaaattc 360
 aaatgggcat aattntcaca cgga 384

<210> 17431
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 17431

tcaccggatg atgccgatcg aacatttctt aatctatctt ttccaattgt tattcaggga 60
 ttgaacagaa taaacaatgg ccagtgtcgg tcgttatatg gccccgactg atatctttca 120
 gccgacattg cgcaatttct tttaaaacg ctggccgata atgttctttt atttacggta 180
 gaggaagttt tttgttttgg tgttgccctaa aaaatttaca acgtaggacg gctagggttt 240
 tccgtgagag ctcaaccgag ggttcgttcc gaccgacact ggcatgttgt tcttctcatt 300
 tatgaggccc ataaaacgtt ggcctacccc ggcaaaaaca aaaaaaaca ttattcacgg 360
 aaattgatcg agaaaattga tagctaactg ctgcatggag agttgaccga tc 412

<210> 17432
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17432

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 tggctacgcc atggttttgg ctcgctgaag catacatgac acggaagata tacaacgaaa 120
 aaatgaaaaa gatgcacatg aagaacacga gggagagaaa aactccaaca tgaagatttc 180
 tactatcaaa acgggtttcg aggataaaac atcaagtggg tgtttctcat gggctctcaa 240
 acagcaacac aagaaaaatt ctcgaatttc agattacaac gaaaccctat ctgctgccaa 300
 ttcatgattg acgatgttgg gctttttatac atcttaagta ctaattaatg tttctttaca 360
 tgtgtcatct gtactagaga 380

<210> 17433
 <211> 352

<212> DNA
<213> Glycine max

<400> 17433

acagaaaggc actggctggt tttgtcagac acagtgttac cagattcgct atcacttatt 60
taactgtgca caagattgct tcagctaaag gccaatctta gaatgatggt tacttcggaa 120
gaatggtaga agactaaggc agctaaagag cccaaagggg aaaagtaacg gatgtgggtc 180
ttatgccatc attttggaat gatactaggt acactataac ggcctaacc tttcgtaagt 240
gagttgaggt ttgtggataa agaataaaac aaacttctcg aggagtttca cctctgaagc 300
attggaggaa aatataagga tatctctgca atcattgata aacgatggga tt 352

<210> 17434
<211> 412
<212> DNA
<213> Glycine max

<400> 17434

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caccgcgtagt ggtccacatt gtgtttcgtg cattttttatt ctcgttttgc ttacttttta 120
taccacctgt tgacgtgctt aagccatttt acttaagtca tttctcgctt aacttaaaaa 180
taaaataaat ttccaccgaa cgtttgaatt gtattatcca ttaacttcgg ttaaaataaa 240
ttccgaccgt tcggtcgtgc cgtaaccacg ttggaaatca aaaagaggta aaaaataata 300
taataatcaa aaagacatct tttagtaaaa taaagcggaa aatcaatcgg acgttttctc 360
tttgggattt ctcatcttta atcgaattga ttaataacta aagtgaaact aa 412

<210> 17435
<211> 415
<212> DNA
<213> Glycine max

<400> 17435

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atggcgccgc ctcttacctc ttctccttg tcttccgtg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagatcaaag atccagcctc catagaagct ccacaagcaa 180
gcttccatca aagaccgttg tcctttacca cctctagcat tgttgtggtc taggaattgt 240

THE **NEW** **YORK** **PUBLIC** **LIBRARY**

| | |
|-------|-------|
| <400> | 17436 |
|-------|-------|

```
<210>      17437
<211>      358
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17437
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| | |
|-------|-------|
| <210> | 17438 |
| <211> | 375 |
| <212> | DNA |

<213> Glycine max

<400> 17438

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ggaagctccc agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc 120
ttgctataag ttcaccagcc tgcaaaagggt gatacaattt tattatcttt ttcaatttca 180
acaattgtac ttcttatgtg gaatagaatg ctatatacct gcattgcttg accttcagac 240
atthttgaaat gaataatccc agaagcaggc gaaagaagag gcatgcacat tttcatgacc 300
tcaacttcag catacgggtgt gtcagcatca acatgactgt catctgcaac caaatatctc 360
agaagcttgc atggt 375

<210> 17439

<211> 409

<212> DNA

<213> Glycine max

<400> 17439

ttgaagtgaaggatgtgac tcttcacatt tgaatttgaa tttcagcgtt caagggcact 60
ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacgtt 120
gtaaattcag tttgaaaact ttttcaaact cattttgcta ctggtaatcg attacaacaa 180
tctggtaatc gattaccaga gagtaaaaat tctttggtaa agggtttttt caaaaactca 240
tgtgctattc aaagttttga aaaacttttt aatacttatt ttgattgagt cttctcttta 300
ttcttgaatc ttgatcttga tttttgagat cttgaacctt gaatcttgat tcttgtctct 360
agactttctt cttgagtctt gaattgttct tgatttttat cttgaactc 409

<210> 17440

<211> 381

<212> DNA

<213> Glycine max

<400> 17440

ttgtaagtta tatattcaat atattttata tgttttattt atgtacatgt ttatattttg 60
ataaatgaat aatttttaggt agtataagtc aatatatttg atatctttta tttatgtaca 120
tgtttatatt ttgataaatg aataatttta ggtagtataa gataataatt ttgtataggg 180

ctctttgtat tgttaatggt atatatgcta gattatattt tgataaataa atagtttttag 240
 gtagtataag attatagttt gaattggtta tgttatatgg tagattagat ttaggtttat 300
 atgataaatt aagaatactt ttacatactc taagttatta attttatatg gtagattagg 360
 aatattttta attttgatat g 381

<210> 17441
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17441

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 caagagcaat tgatggagct gaggtagaag ctgaagcaca gttgatgatt ggaatgatta 120
 tctgcctaata gtcaaagtca tcagagacac acacccacat ctntaattgg aaaagtccat 180
 caatcctctt atcattgaac accaactttg caagtgtagt cttcccatg cctccaagac 240
 ccactatggg aataacacac acacttttat ctccatcacc atcccatga gggtgagggt 300
 gcatcaaaag cttgataatt tcttccctat cattatccct tccaatcact gctgaagcat 360
 caatatgtga ataagtcatt tctcttcttt gcacaagtct gtggtcaaca gaaatcctc 419

<210> 17442
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 17442

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 ttatcctcgg aaccctacaa aataacgaga tggagggaga ccactctact gacaatggag 120
 gtggaatact cacaatccaa ggagatgaga ccctatcct ttggtggtgc agagcttctc 180
 gatgagagcc atgtttctcc gtcggccaat ggaactatga gggagagagt gttacctttg 240
 aggactgctc ctaggccaat aaaccacact agatgtgctg ataggctgtt ggactatact 300
 atatctcacc gggactgatg tggagcaaata gaaccaaaca 340

<210> 17443
 <211> 375

<212> DNA
<213> Glycine max

<400> 17443

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aagcgagagc cggatgagat gcctcggagg ttcaacactt gaggaaaagc gtgacggact 120
gtgtctggac taaagcagac accccatgag caagcttctg ctattcagtc gggcgatatg 180
tccggggaga cgctgagcg tgcctatact gtacgactct gatgaggaca ctcaaagtga 240
agacaatgga gccttgaagt tgctcaaggc tcaaacggat ccctatggat ggtttggcat 300
attacgggac tcaaggctac gttcgatctg cacagcataa gagatataat gcgctatgac 360
caacagcatg cacca 375

<210> 17444
<211> 386
<212> DNA
<213> Glycine max

<400> 17444

tgtcttatga tgatgaatca agttgattca agtagttttg atgataacaa agatgatgac 60
aaaaagccca agagaatgat ttcaagattg agtcaacaag tttcaagaat caagagaagt 120
ttgattttta gattcaagag aagatgaatt caagattcaa gagaagaaat caagaagact 180
tcacaaggga agtattgaaa agatttttca aaaaacaaac atagcacagt tttgtttttc 240
aaaagagttt ttctcaaaat tttctaagtt accagagttt ttactctcta gtaatcaatt 300
accagtttcc tgtaatcgat taccagtggc aaagtttgat ttcaaaaagct ttcaactaaa 360
tttgcaacgt tccaattgat ttcaaa 386

<210> 17445
<211> 413
<212> DNA
<213> Glycine max

<400> 17445

tgtaaaagtc cttctgattc tatttatgca tttcttactt tatggcttga gatgaagttc 60
aaagattgga cctcttgcta gtttttattg atgaatagct taaacacttg tgcttgaatg 120
aaacaaaagt tttgagactg tggtttaagc tgctttcctt gatatatgtc ttatgcctaa 180

cttcatctaa ttgtacaggt tacatTTTTat tcttctcttt gaacaactgc atgctttgtg 240
aaagacaagt gatgagggca ttttggttca tccttttatc atgcaatcaa tcaaaactgt 300
aaatttgggg gagttcttag tcgatgaata cgactaactt ttgtgtataa aacctgtgta 360
aattgtatca aaatcctcca atttatgggt atttttagt gttgtaatta ctt 413

<210> 17446
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17446

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gttcaacggt cgtttgagag ctttccaata aaataacaaa cacacactta atcacaataa 120
acccaaaaac cttgaatgca ggaaattaag actaaaagta tcatcaaggt caaccgagga 180
tttccaaggt gttttgcttg accaaaagat acactttcaa gacaaaaaga acatttttaa 240
attaatgaaa ttcaaataagg atgttttttt taaggagaaa atcaaactcc gatattaaaa 300
aatttataat aactcacttg ttacttaaca aattgagtta aatctcttta atatattntt 360
taaaaaaaaa actaaaacta aaaccg 386

<210> 17447
<211> 422
<212> DNA
<213> Glycine max
<400> 17447

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tggtaatcga ttaccagtgt gtttgaacgt tgaaattcaa attcaaagt gaagagtcac 120
atcctttcac aaaaatgctt tgtgtaatcg attacaatga tttggtaatc gattaccagt 180
gataagtttt gaataaaaat caaagatgt aactcttcca atggttttca agtttttcta 240
aaagtataa ctcttcta atgttttcttg accagacatg aagagtcaat aaaagcaaga 300
ccttaacttg catTTTgaat tacatTTTga atacattgat ttcaatcctt tacaaccctt 360
gagtctcttt gaacatcttc ttgaattttc ttcttcttct tcctttgcca aaagctttct 420

aa

422

<210> 17448
 <211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17448

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 acccgacgaa gacactgaca aaaacttata tttccttct tggacaaagt atggcaggct 120
 gggggcaagt aaattttctt cccatcagac cttggatgca actgtgatcg tatacccata 180
 tcagctagat cttgacgggt attcaagcca tcttctgtct tgccttgaat gtttaaggagc 240
 gtcccaatca cactgtcaca aacatttttc tccacatgga taacatcaat acaatgtcta 300
 acgtcaagat cacactagta tggaagatca acgaaaatgg acctcttctt ccatatgcaa 360
 ctctgactnt tctcttctt ttg 383

<210> 17449
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17449

tgcctntggg ttagacatga ttgatacatg atttgggtact tgtatgaatt gatttgggca 60
 agattggatg agaggaagtg ggattttcga aatctgcact tatgcagaat tttgctgtca 120
 aaataggtgc agcagaattt tggctttgtg cagaaaaatg cttgtgtgtg gttggctgtg 180
 gaaagtctag tgcagaatga gttctggatg tttgctagta gatcccaacg gtcaaaatgt 240
 aggcttatgc actatagact tccagtaaaa ttttggagtc gatccaacgg ttaacgaatt 300
 ggatcgaagg aattgttact ggggtcttta agtgagaaaa gctgtgattt tggttagtgt 360
 gttgagcaga gtttttctgc ctttgccttg gtttgccttg ttgtgatagc ttgtgct 417

<210> 17450
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17450

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tcaacaaagt actttcgaca cctactgtac gttgatttca ccaatgttgt tatgggaatg 120
ttgcgacaat cctttaaaac cttattgata cattctgaga ggttcgttgt catgtggcca 180
tatcgacgtc cttctctatc gtgagtcac gtccattttt cctttgagat gcgatcaatc 240
catgttgcta tggctagact cagttcacga aatttttcta aattttgata aaaaaatgtg 300
cttgcagga gtgtaggcta cataaaatta gttatgaata aaaattttaa gtataaatga 360
aagtaaaata aacgtgacca tca 383

<210> 17451

<211> 381

<212> DNA

<213> Glycine max

<400> 17451

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gaaaccttta acctttgatg ttattttctc cttctccact atgaggggaag gtttctgggt 120
ccaatttttt ccttaacttc tttgtgtgtg tgggtgtttt gggtttggac ttacttagat 180
ggaagtttac atgtgggttt ttttataatt atttttaaaa ctttttgaga gaaatgaggg 240
tgggtttaca aagagagtga gtgagagaag attaattaat aataggggaag ttataacttt 300
ctcctttatc tgatgggatt caaataacac ctttttaaac tgggtgttagt gcagtaaaca 360
tccatatatg gtacatgctc c 381

<210> 17452

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17452

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atgaactcgc taagcaagct tacctcgcta agcgagttca tacgttttga tgaatttctg 120
ggtttcagga tgaactcgc aagcgcgcct tgttccgcta agtgatatca tcaaatttgt 180
ttaaatttcg tcattttgta tgaactcgc aagccattgc actacggctt agcgagtctt 240

tgaatTTTgc ttttatattt ctgggttcgt atgaactcgc taagccgatc atccgtgctt 300
 agcaaacaca cttagatagt tctgaaactt agaggctntt tgcattccct ttgtggctcg 360
 ctaagcccaa atacgtctct 380

<210> 17453
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17453

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 aactgtcttt gggcttggcg gccacgctca acaaagtact ttcgacacct actgtacatt 120
 gattcaccaa tgctgttatg ggaatgttgc gacaatcctt taaaacctta ttgatacatt 180
 ctgagagggtt ggttgccatg tggccatata gatgtccttc tctatcataa gccatcgctc 240
 atttttcctt tgaaatgcga tcaatccatg ttgctatggc tggactcagt tgacgaaatg 300
 tttctaaatt ttgataaaaa aaaaagtgtc tgcaaggagt gtaggctgca taaaattagt 360
 tatgaataac aattctaagt atatatgaaa gttaaataaa tgttaccat 409

<210> 17454
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 17454

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 actaatgtaa cgacctgact catcgctaca atatcaccat tctaaatcgc gatcatttca 120
 aattttaaat gaaaaatcca ttaattttct tatataaaaa aatgaaagtc atttttgtgt 180
 tgacatacat tcaccaaaca acacacatta cttttcttat ataaaaaaat gaaagttatt 240
 tttgtcttga catacattca ccaaacaaca cacattactt aagtggatac gtatatatta 300
 gtatagtaac ttagtacaca tcattcacat aatggaaatt aaacttgttc atacatataa 360
 ttcaaatatg cgatttacet c 381

<210> 17455

<211> 405
 <212> DNA
 <213> Glycine max

<400> 17455

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 atgaacattt attttttgtc ccgagccact acaaaagcat acataataga tctgataacc 120
 taagcttgat gtacagaagc ctcaaccacg aattatgtca tcgatgaaga atacatgcac 180
 cactgtgact cctgtactat tcccaaacca gaaggggttg caattaccct cattgactga 240
 cttttaaatg agatatgcta ggctctccat gtgcaagaca aagaggtagc ggggtgaagg 300
 gtccccttgc ctcaagcccc atgtaggagc aagagaattg caattgatag ctaacgaagt 360
 gctcatacaa ttagagagaa tatcagtcac ccaagaggga atctt 405

<210> 17456
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 17456

tcttctttca tggatcatcat atacaagatt aatctatgtt acttatattt tatctattaa 60
 ttctttttta tcaaagtttag tttttcacaa caatttcaaa atattcttta tttaaaaaat 120
 atgaaaaaaa cttaattat ttgtaagaat atctcataa ttagtatct tacttaagta 180
 cataaatgaa tttataacta ttttttctt ctttcaataa aaatatattt tcttgaatgt 240
 taattttcat catcataata ataatttata ggattaatta agttcttact cattcgactt 300
 tttcatatta taatcttgtg tcccttaca tttgttaac agcttttatc cttcattaag 360
 ttttcgtcac tcaacttttag tccc 384

<210> 17457
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17457

tggctttaat tataccaaga tagatgtttg ccctatgagt tgcattgttg attgggaaga 60
 agatgaaaat ttgcagattt gcaaacattg cagaaaatct agatggaaag caaaaggtaa 120

taatggtaaa aagaatgtac tagcagatac tttcctttga aaccaaggtt gcagaggtta 180
 tttgtgtgtt ccaaaatagc aaagtccatg agatgacatt ttttaaatag caacccaaat 240
 ggattgttga ggcacccaag agttgctaata gcatggaaaa gttttgatca aattcaacct 300
 gaatttgctt tagaacctag aaatgttcgc cttggccttg caagtgatgg cttcagcaca 360
 tgccgaacca tgaataataa gcatactata tgggtcgtgc ttctaattcc ataca 415

<210> 17458
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17458

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 acagtataat tgtaggggga ttcgctaaaa tgggcaatgc tgagtaagta aaccagataa 120
 atattcctca ttactgcac tttgtattgg atgttcgtac ttgttagata ttcttttgat 180
 catataccga ctctcctgaa agattaagct attaagtga gctatataaa tggattttgt 240
 ctctaactcg tcccattaac ttgggctcga tgcacagcta atatacatgc ccactttaat 300
 tgtgctgtn tttttttgta aaaaaaatta taataattnt ataaagaatg tagccagcaa 360
 gggttcaatt tggactactt gg 382

<210> 17459
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17459

ntgtgctcca actcaacagg taggtgattt gatttattat agaccaattg gaagggacca 60
 atcctttgta tgctattttg tatgcccaca aagcttcac tagtttttgg gaccaatcct 120
 tccttgactg agcaattggt ttctctagga tctcctagaa ttccctatta gagacttcag 180
 cttgccatt ggtctggggg tggtaaagtg aagctaccat gtgtttgaca gtatagtgtt 240
 ggaggacttt cttgagttgg gaattacata aagaagatcc tccgtcactt atcaataccc 300
 ttggtgatgc aatcctaccc cgcaagggca ttggatagaa aactccaagt agattgggcc 360

agatatgcaa gagaaggccc tatggttctt atgagcctt

399

<210> 17460
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17460

atctntgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa agaatagagg ggaaatttcc aatcaaagaa aaagagaagg 120
aaaatttcca atgaaagcca aaaaagaaaa gaaggaaaat tccccaatca aagagtggga 180
gaaagcaaaa agaaaagaaa ggaaaattcc caatcaaaga atgggagaaa gtaaaaaaag 240
gaagaagaag actgaaagaa agctcctgat caaggatcga aagataacat aagatatgtg 300
cagagaggtc tttggaccgg acaatatctg aacaatacag aattgccacc aaatgaacga 360
taaaag 366

<210> 17461
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17461

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gcattctact cggacgactg acaaaactgn ggcaaagat gatggtgaga aaaaaggaga 120
aaccatgct gtgactgcca ttgctatact gcctagttaa ccaccaaccc aacaatgtca 180
ttactcagcc aaattcgaac ctactcctta ctcaccaccc atctatccag aaaggccatc 240
cctcaatcaa ccacacagcc tgcataccgc acttccaatg acgataacca ctttagcac 300
agaccaatac aaataacacc aacagatagg aatgttgctg cacaagccta tagggttcac 360
cccaaattcc tgtgtcatat gcgaaacttg atcccatatc cact 404

<210> 17462
<211> 385
<212> DNA
<213> Glycine max

<400> 17462

tgcatgcatt ctttgaattc tagtaaaaaa aactccacaa acatattcta atactcatgc 60
acctttttaca ttcaaaaccg gaaagttaga ttcctaggca tgagtcatcc ttttggcact 120
ttagtctagc ttctacaaac taccacacaca ctcaaatgc gcacaattta tttcgcaagc 180
taagttcctc aaaatcatgc gcaaatgcaa ttgaggcatt tcaccgaaca cttgggtgggc 240
gcatgtttta gcatgaaaat caagggaatg ggggcaatgt ggcattgcccc attatctcat 300
aacgcacctt aggccgaagg ccatccccta caaccctca attcaacaaa aacaagcaat 360
aattcaagga taaatccctc acgtt 385

<210> 17463

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17463

tctcccctat nttgctataa ataggggaag ttgttataag aaaagggttc agccccttag 60
gcatttctct ctctttcgaa tttgcttgga aaaattattt ccgcgaagaa aatccaagtc 120
gaggcgcttc cgaaacgttt tcgtaacgtt ttcgtaagga atttcgcgaa ggtttcgacc 180
gttcttcgat cttcaacggg taagtacctc gaaccaagct tttcaattca ttctatgtac 240
ccgtgggtgt ccacattgtg tttcgggtat ttatattctc gattcatttg ctttttatac 300
ttccttttga cgtgcttaag ccattctatt taagtcattt ctgccttaac ctaaaaataa 360
aataaatatc caccgatc 378

<210> 17464

<211> 364

<212> DNA

<213> Glycine max

<400> 17464

tgtttctaaa ggcgtaagaa gcaattatgg agatgcagga agcaattgtc tctaaataag 60
ggtgaaatcc aaatacacct tcaaaattca aggtggattg acatgcctct tttttgcccc 120
agttgcacgt caaaaacaaa aggcaagttc aatgagggtg ttactaggtg cacccaacac 180
cattgcttgt acatccaaca attcaagtga agtggcaaaa atatccttca cttaaatttt 240

aaaacccctc cctcctacct tgcatttgta tgccgcacca gctccgttct tgcccttctt 300
 ccttcgtttt gcgttttgag ccatgctgcc acagttaagg ccagctccac cactgttatg 360
 tcat 364

<210> 17465
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17465

ttgtggcact ctgttacaca cgtcagccct ccatgtcagt tctggcacag gagcacatat 60
 atcatgccct tagcaattgg actctcaact gacaggttat ctctaaccat ttatattatt 120
 tgaatatatt gcaatctcct tatcacgtgg caggatttca attatctcta agctacacat 180
 tatctataag ccataattat ttacttgta ttacctaca gtcggtaatt atctgtaagg 240
 gttgttaca caccgtaata gccctacaa acaatatect gcaacttcta ctctactcta 300
 taagtatcag gtttcatctc actcttttca tactcattca tactctcta attaacatac 360
 ttacttgagc gtcagagtc tttgttttgt agggcccccc tcttgctctc ttcacaaa 418

<210> 17466
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17466

ttgtgactct tggcaatttc tttaaaacta gtcacttaaa aagttgtgac ttttgaaaaa 60
 atcttttagaa acaagtcact tgaagaattg tgacttttgg aaatttattt ttcgaaatca 120
 gtcactggta atcgattatg tgactcttta ttttaaattt tgaaaattaa aatgtttaga 180
 agctatggta atcgattaca agtattgtgt aatcgattac aaaagttgaa aatgtttaaa 240
 cacaagttgt aactcttgaa atttgaaatc ttaacgtttt aaaacactgg taatcgatta 300
 ctaccttctg gtaatcgatt accagagagt aaaactcttt ggtaatgatt ntgtgaaaac 360
 ttcttgtgct actcaatatt tt 382

<210> 17467

<211> 419
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17467

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 tccccgtctg cttgttgat ggaagaaaca cttactacat tagactatgc tagccgtgca 120
 aaaagcataa agaataagcc tgaggtcagt taccactgct attgttcctt acaagttaca 180
 attcttctaa aagcagtttt aaagctttgt gtgtttttta aaaggcaaac caaaaggttt 240
 cgaaggttgt tttgttgaag gacttgtaga gggaaattga tagggtgaaa gaaggtacac 300
 tcaccaccac tattagtttt ggaatgtaga gaagattttg tatcttatct tttgtataat 360
 atgaatattg cagatattcg agcaacaagg gaaaagaatg gtgtatata ttctcatga 419

<210> 17468
 <211> 371
 <212> DNA
 <213> Glycine max

 <400> 17468

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 tcttctaaaa agaaatatat gtgatagact gcaatttacc atacttattt ccagtgcctg 120
 atacaacttc agtgagaata aaatctctcg cagattatat gatagagctc ctgattgcat 180
 ggggatgcaa tctgaattgc gttaccaag aaatatcgca taccaatacc agtaaccgtc 240
 tatcaagctt atacgtcttg catgtgagta ttaatacata tattaaaaat aatcggtcc 300
 ttttatactt aaagagaatc gttataatag ctaattgagt aatacggtat acacatgcac 360
 atcttcacga g 371

<210> 17469
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17469

tctcttctta tctactatcc gtgtaccatt anatttatgc ttttttttac tgatagggga 60

tcgactcctg aagcccgcg caatattcgg tggagaacag cgggcttgaa atatgaaaa 120
 atateccctt tttgattctt atttttaccc ccattaaage tcttgactct cttatatccc 180
 atttccagca ttgtgtgagg atactaacat aaggatgat agtgtaatga catttcaacg 240
 acaacaaaag catgtttaaa gcatgctagt ataatacagg aattaagatg ttctctcccg 300
 acaagtagtt ttttaatgta ccatatggcc ccgacacagt cataagaaca tt 352

<210> 17470
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17470

ttcttgtgcc aataaagatg gtgaaaaaat tcaagaatag ttcaatacca tttcatctct 60
 tgaaaatcta cacccttgtg gagtggatcc cacctcaaga gttccaatct tacatacgga 120
 gagaagatca gtggaagact caatgacata taagcatctt tatagggtga tgagtactct 180
 cttttccatt cttccattct acttttgacc aaggatagtt gaccatattc ctcagaagca 240
 tcaactgaaa tctcatcagc agcctgcagc accaaatcac tttgtgactg atatgcttgg 300
 ctctcactat cactctcatc agtgcttgat tcaccttcta ttttatgatc atcccattcc 360
 atggatgtga ccttattata ac 382

<210> 17471
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17471

tgaagaggat gctttaatgg aggaaaagaa agagttatat ggttgagcac gaaattgaag 60
 gaataaaaga gggagagaaa tgtgtctcat aagactttca ttcatacaag ttacaacaag 120
 tgtaacacat gtttctatct atagactagg tagcttcctt gagaagcttc tttgagaaaa 180
 cttccttaag aagtttagagc ttggctacac acaccctct aataactaag ttcacctct 240
 tgagaagctt gcttgagaaa attcctaaag aagctagagc ttagctacac acctctata 300
 atagctaagc tcacccccat tccaataata catgaaaata aaaaagaaaa agtatctact 360
 acaagatta ctcaaatgc cctaaaatac aaggctaaaa ccctatacta ctagaatg 418

<210> 17472
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17472

agcttgccctt atgtctaaaa gaaatttgtc ccaacagtta aagtgagact gaagggaata 60
 tgtggggccat catcgatgag tgcaaagaga agctaaatct agcggcaact cagagcaaaa 120
 ggctagagga tgagtacgcc aagatatcag aagaaagga agcaaggga agggttaattg 180
 attcattgca ccaagaggca gcaatgagga tggaccgatt tgctcttact ttgaaaagga 240
 gtcaagaact tccccgattg ttagccaagg ccaaggcatt ggcggacacc tactccgccc 300
 ccgaggagat ccacagactt ctcagctatt gtcagcatat gatagactta atggactata 360
 tgattagaaa ccacta 376

<210> 17473
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 17473

tgtgtggcgg ctggccaact atgtatcttg ggtgtgtatc tggaaattat cctctggtaa 60
 tcgattacca ttcgtgggta atcggttaca ggggttaaaa atggagacag gatgttaaata 120
 ggcctctggt aatcgattac caattgtgtg taatcgatta cacagggtga tagggcactg 180
 gtaatcgatt accagttggg tgtaatcgat tacacagggt gatagggcac tggtaatcga 240
 ttaccattta tgtgtaatcg attacacagt gtaattttta atttccaatg tgcaaaggct 300
 gtgtaattcg tttttgggca ctggtaatcg attacatact ttggtaatcg attaccagag 360
 aggaaatccc ttgagaaaga cattttgact atgcgtagcc gttatgggac gcattg 416

<210> 17474
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17474

tttatcttga tgcaatccta ccccgaagg gcattggata gaagagtcca agaacattgg 60

accaaagatg caagagaagg ccctaggggtt ctcatgagtc ttaaggtaga tttcggggccc 120
atgggctaag tacgagccca cttatctttg taaatattag attaagggtt cattatctttt 180
gggccttgta gttaggggtc cataatgtag gtaggggtgcc ttagaaatat aggattctttc 240
agcccttgta ttttagggca cctagactag tttttgtatt aggggtagtt ttgtaatttc 300
atatgcacta agtgaatatt tgatcgtgtg gttggaaata aatttaattg aattggtaga 360
agcccaatcc aattaaattt t 381

<210> 17475
<211> 413
<212> DNA
<213> Glycine max

<400> 17475

tgtgaatccc aagataatca aatgggtactt tagatcttgg ttacctgaag aaatagagcc 60
caaagtgaaa tacatgaacc tcaacagttg cttccacaaa gaagtcaacg ggtggcatct 120
gatattatctt ttatacttgt aaaggataaa tattaatttt atacttataa attcaatggt 180
accgctatga gacagcatcg actcacgcgc aactgctttg gggtaaatat taattttata 240
cttgtaaagt ggacattgcc tctatgagac aatatcaact cgaggggaac tatttcaagg 300
taaataattaa acaccttaaa tgcttgtaaa gccaacgttc ctctacgaga cattgttgaa 360
tggggggaaa ttgcttcagg gttaatattt aagtcttgta agcacacctt aaa 413

<210> 17476
<211> 383
<212> DNA
<213> Glycine max

<400> 17476

tctgctttgt tgtgaaaacc aaaagtggca atgaaaaata cttatatgtt tgtaaattgtt 60
agtggaaatt tgtcgggtgc caagaattat aggtagtctc aattgtagag acgaaccatg 120
taacacccca attgggctat gaagggtttt cactaaattt taatttaaag gaaattgtta 180
tttaatttat ttatgaaaat acgatttaga ttttcacgat ataattgtat atcaaagaca 240
tacattaatt tacaaataat tccaacaagt catacactag atatagataa tgactatgat 300
catagaaata tctcaaaaga aaagttaggt gaaatatgtg cgagcatcaa caatgtaacc 360

actacctact gtattacatc taa

383

<210> 17477
<211> 410
<212> DNA
<213> Glycine max

<400> 17477

tttctatcta gtgctactgc ttagatgggt tgttttatgg aaacaacggg ctttgaccac 60
aatagttgtg ttcgactaaa ttcgagtttc ttaattgctc tactcgtagt attaaactat 120
gttgagttta tctcatcttt tatgaacat cttgaataga gtaaagtca tgttttgttt 180
gtatttcatt gttgttgatg atttagtttg gtgacagata attccttaat gaagcattgt 240
ctttaaactt ttagtgtggc tgaaatatct ctttgcgaga caccaaaatt caaatttcaa 300
ccatttcatt aatctttggc ctattatgct atttcctaaa ttacttgacac ctacgtcttt 360
aaactaatc gatgttcaca caagatgcca tcattttcct ctttatattc 410

<210> 17478
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17478

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aacaaaaatg gattttaatg aattaatcaa ttaccctcac ttgttatttc tcattaatga 120
ctcttgatat gatcttatct ttataaaaa cacattttta agtcatccaa gggaattact 180
ttgcatttct ttaagagatt caagttgatc aagattcatt cactcttcat catgagttga 240
taatcaaagg aagagcttga agatgttggt atctacacat caagatgtat tccatccaat 300
tntgatttct ctctactttc ttaatcttgg ttagggttac caagggtttt tcgagttgat 360
aggatttcaa ctcttgga 379

<210> 17479
<211> 413
<212> DNA
<213> Glycine max

<400> 17479

tttagagaag aggaataagc agaaaaatat tgctttgact aaggcataga agattgaaag 60
 ttcctatgat gatgaagata gcaaggaagc taggttgact aagattgttg agaaatgtca 120
 caatcaggca acatcttttt acctgttctt atctctcttt gactaagtct ttgtatactt 180
 gtcattgtct gttactgact acttcggctt tttcgccag ttgacagctt ttgggtgaaga 240
 acaataaatt ccatcttggg gagtaaaagt ttttggagat aaggttatta ttctaagaca 300
 aagtttctca gtcattctct atacatggtt tgctgctttt atctcttaat tgtttggatg 360
 ctggaagtta ttaatgtttt cattttgtga attgcagaaa gcctttcccc ctc 413

<210> 17480
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17480

tcattcttct acattcaatt tcgagctttt cgatatatta cgggactcaa tcggacatcc 60
 gagtaaaaag ttattgtagt ttgaatttgc tcagggcttc ggtattccat ttcgagcgtc 120
 tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaatttg 180
 ctcagagctt ctacattcca tttcgagcgt ttcgatatat tacgggactc aatcagacat 240
 ccgagtaaaa agttattgtt gtttgaattt gtcagagct tcggtattcc atttcgagcg 300
 tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt 360
 ggctcagagc ttctacattc aat 383

<210> 17481
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 17481

gtgagaaaat tcaaacgaca ataacttttt actcttatgt ctgattgagt cccgtaatat 60
 atcgagacgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtata tatcgaaaag ctggaatgtg aatgtagaag 180
 ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300

tttactcgga tgtccgattg agtcccgtaa tatatcgga cgctcgaaat tgaatgttga 360
agctctgagc aaattcaaac gacaataaac ttttactcgg atgtctgatt g 411

<210> 17482
<211> 378
<212> DNA
<213> Glycine max

<400> 17482

tattcttgaa atcatctatt cagatgtttg tagccctata caagtagagt cccttgagg 60
aaataggtac tttgtaacct ttatagatga tttcactaga aagacttgga tttatatgat 120
caaaagaaag agtgatgtgt ttaatatatt taagaagtag aaagcttata ttgaaaatca 180
aagttctagg aagattaaag tggtgagaac tgatggagggt ggtgaataca cctcaaaaga 240
attcctagaa ttttgtgatg aagcaggaat tgtacatgag ttcacaccac cctacactcc 300
acaacacaat gggtttagcag aaaggaagaa tagaaaaatt atgaatgcgg ttaggagaat 360
actcaaatgc aaggatct 378

<210> 17483
<211> 414
<212> DNA
<213> Glycine max

<400> 17483

tggtgttctt ttggatgacg tgagtattat gtatattctt tccctttcat cctccattta 60
tagctactat atactccatt aaaacatttc aaacaattgt ggggaatatt taattcggtt 120
ccatgtatca tatgttgtct tgataaaaac taaaaatcaa gtagtgatac tgatattagt 180
tacttttgtg ggattcacac agtaggtaca gcctgttcta caaaataatg tgtaaactga 240
ttggagtttc ccttagactt gaatgtaaaa ggctgacaat ttgttactaa atcctaattt 300
gtacctttgt ttaacaaaaa ctgttgatgc atgtttgggt taaaattata tcggagaaat 360
aaatgcttat ttatttcagc attctaagag cttctgatta agagaagcta ctag 414

<210> 17484
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17484

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acctgagctc tttgttcatt tgagtcattt tgggtaactt cattcaaggt aagggggggtc  120
tttccacttc ttgaatcata accttggtgt atttagaagt taggcttcat tgcattgtgt   180
tttgatgttc aaatatctgt agctactgcc ttgtttggaa ctaggaggata tgctgttttt   240
tatggaaatt ttaaggtttag aaatgagttc tttgggtgtt aaaacttang attagcctta   300
aatttcactt aaattggagt tttctagcaa aagttatgaa taaaataagt tgacagacat   360
tctgtagaat                                     370
```

<210> 17485
<211> 412
<212> DNA
<213> Glycine max

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<400>        17485

ctgcctatct gcagcccat ttcttcccat tctcaatttg caataccgtt ttgcaccagc   60
ttcattaatc ttaaaataaa atcgaggcta aaaaaaaag acaaatttat caaatatcat  120
atgcaaaata atatatatat atatatatat atatatatat atatatatat atatatatat  180
atatatatat atgaaaaata gtaaagatag gggttctaag tgggtgtagat ataaaaagtt  240
atatataact aactgacata cctttaaaat tggtgcagag caatcatcaa aataagcttt  300
aagtacgcct gaaggtgcag accatctatc ataatccata agaaataatc tgcaatcagc  360
tactagtgtt ccaagatatc ctgcaagcaa ggcttgtgct tcaccaattg cg          412
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<210> 17486
<211> 369
<212> DNA
<213> Glycine max

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<400>        17486

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cgtctctacc cattctcatt catttgcatt tttatttctt tacgtttaaa atgccagatc  120
cgacgacgag tccctcgaag gtactaatac ctgtgacctg accatcgatt tcaagcaaga  180
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aacgaatcag acggagagtg aagaggacga ggatgtggga cttcccccg agttggaaaa 240
gatagtcgcc catgaggacc aagagatggg gcctcatcaa gaagagacaa cactagtggga 300
cttagaaacc ggcagtggga aaaaggaatt aaatataggc atgggtatga ccgcacccat 360
ccaagaaga 369

<210> 17487
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17487

gttcaaaacc aactaatatc aaaatttact attactttta angcggaat atgcctaaca 60
gcactggata tgcattgaat ctgcactact tcagttacaa gtgcaatcaa ttatctaaac 120
ctatagttat ttaaaagtct aaaaaactat attgggatag tctaaacaga acccaagata 180
tgcataatgca cacgtatgca tagcaataaa caatcagtca tattctcatc acaggcataa 240
cactctcaat tgtcatagta atatgccatc cttatataat aattatagac ataattcaca 300
ggctattaga acaatgcaaa ccacaacat tctacaatag atactcctgt aatatagcct 360
tcaat 365

<210> 17488
<211> 350
<212> DNA
<213> Glycine max

<400> 17488

agaagtcctt gtcaggcaga cccaaagcac ttgaatcact cggactcgag cgccaacgta 60
ttcctaggag aaaggacggc aatcccagca ctccaaggga caacgactac ctagactcac 120
cacaaccaat cgccaaccgg atgccgaggg aagagccctc ctcagagcgg gaatccctca 180
aagtcggtgt accgagacca gaaagcaa atgtagccaacg gaacagaacc ctcccaaate 240
gggaaccgcc ctaagcaacg aaatacagaa atgagcgcca caaactacga agggagggca 300
gtgccgtcct acccacgagc aggaccccc agaacaaccc gacctccccg 350

<210> 17489
<211> 332

<212> DNA
<213> Glycine max

<400> 17489

ctccatacca gtggcaacag ttgggaagaa cataatttct ctaccaaagc ctattggaag 60
gatctatgag attattctta aacttcataa gtgtctcacg ctcaattggg atgcacacac 120
tctctctgca tggtaagctc agcaaccaa gctggacaaa gactaaaata taaatggagg 180
aggaattcat gatcatgcta cgcaaata gaaaacaagt gtgtttttat aaagctgac 240
gtaacaagt tagttgttgg ttctgcatat caatctatca acttctatta atgatacatg 300
cagcctacct gtattttctc gacattgata tt 332

<210> 17490
<211> 373
<212> DNA
<213> Glycine max

<400> 17490

ttcttctttg ttttctaaaa ggtttaatta ctttttttac cctaatttta attgattgtc 60
actagcacta caaacagttt ttggtcatca catagaataa tttttgttca aattttaatt 120
taatatctgt cttctgttga aaatggacga aaaatatgat gcttatgtta tagcggacta 180
aactagagtc attttttata ccacaagcaa ataaagcaat ccagtcaa atcatacgga 240
gtaaccatga ttaacaggta tacggtatac caactctttt tgacttgcaa cctttcatac 300
aaattctaaa taactgtcga tctccttata atattatata atgtacacac aatcccacct 360
ttttcttgaa ata 373

<210> 17491
<211> 338
<212> DNA
<213> Glycine max

<400> 17491

taacatggaa caaatagagc atcttacctg agccttatca tttattgttc gcaagattct 60
agcataatct gtgcccagca tttgaatgac aagatcagcc caaaacgttc cccaaagcct 120
gttcacaaa ccaaataaaa tgtttagaaa tactcactaa gtgtgctca gatatgacct 180
aaatctgata tgtaaggtag ttgaaatggc gctgaaaagg cctaattggtg cattgcataa 240

aaaaagatat agctagtaga attgactaat cacttcctaa aaagttggct aatgagtcgg 300
gagaccctg gacaaaaaac ttgctatatt gtacactg 338

<210> 17492
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17492

atctttaaca aaacantctt cgtgaggaag gacccatgta tggttaacat agccaaaaaa 60
cattggccat ggggagcaaa caacttcata ctgcttaaag caggcatcaa actattgctc 120
aagaagacaa tccactaaac tctcccaggc ttccattaca taatccaatg catttatttg 180
accaacaagg gttctacact ttgccttcac atccttatca atgtgaaact gacacaacaa 240
attcatggac ttaaggaata caactttcac cgcattcatc aatgctagat ctctgtcggg 300
gacaataact ctagggagtg catcacgtat aaagaaaaga cgacgacacc tatctagagc 360
ccaaa 365

<210> 17493
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17493

ntaaataggc attcctatct gcaaaagaat aaattttctg gtagaaaata aactcaaccc 60
aagtgtgaga tggttgatgc atccaataaa aaggtgagac ttcataaatc ataaaaatga 120
tggtttactc aaataaatta cattttattt ttcaagaaca atttaaattg tgttgagatt 180
ttttttggta aatcataaaa tgatgtagaa attaaattta aagatagaaa tgaaagagat 240
tgacaaggag aagtaattga attaagacat gaaccatcaa tgagttgtat atgggggttg 300
tagtcaagaa ctaatcttta tgtgttaatt attaaatcat ttaattttata tatgaaaata 360
ctagaaattt taaagacaat tatttataag aaacttataa tatgactata cttgattcac 420

<210> 17494
<211> 377

<212> DNA
<213> Glycine max

<400> 17494

atcatattat aaattcgaat ggccattgct ttctactcga aggtccgatc aggcgcacatca 60
catatagaga cgctcgaaat tgaacaacgg aagctctcga gatatgcaaa tggtcataac 120
ttttaactcg gaggtcggat tcatgcacat tatatatcga gacgcccgat attgaacaac 180
ggaagctctt gagaaattca aacggtcatt actttttact cggagggttcg attcaagcgc 240
gtcacatata gagacgctcg caattgaaca acggaagctc tcgagatatt caaattgtca 300
taactttcaa ctgggaggtc cgattcatgc acatataata tcgagacgct cgaaattgaa 360
caatggaatc cctcgag 377

<210> 17495
<211> 429
<212> DNA
<213> Glycine max

<400> 17495

tactcaagct taaaggagaa gttgggttttc tgaactctaa actttttact ttacttattc 60
aataaagatg ctgaatgaga gctcatatat gcttgatgag gtgctacagc ttgggaagaa 120
tggttgaaac cagagaggac ttgggtttta tcataaacct gctggcagaa taaccatgac 180
agaatttggt cctgccaaaa acagcactgg agccacgatg tcacaacatc ggtctcgaca 240
tcatggaacg cagcataaaa agagtaaaag aaagaagtgg aggtgtcact actgtggcaa 300
gtatggtcac ataaagccct ttgtctatca tctacatggc catccacatc atggaactca 360
aagtagcagc agcagaagga agatgatgtg ggttccaaaa cacaagattg tcagtcttgt 420
tgttcatatc 429

<210> 17496
<211> 378
<212> DNA
<213> Glycine max

<400> 17496

tgagccaaaa tcctaactca ccatatacct tgaccacaggt gagaatgaca atccttaccc 60
tcggaagcaa aaaaaaagag aaggaaaatt tccaatcaaa gaaaaaaaaa gagaaggaaa 120

atctccaatc aaaaagaaaa aagaaagaga gaaggaaaat ttccaatcaa aggaaaaaag 180
agaagacagg aaattcccaa tcaaagagtg ggagaaagcg aaaagaaaag aaaggaaatt 240
cccaacaaaa gaatgggaga aaggaagaag aacaaggaaa gaaagctcct ggtcaacgat 300
caacagaaaa cagaagaaat gtgcagaaaag gtctttggac cggacaatat ctgaacaata 360
cagaggtgcc actaaatg 378

<210> 17497
<211> 400
<212> DNA
<213> Glycine max

<400> 17497

tgcctcatag aggtccagga aggacaagtc agccttaggg actagttccg ctccggagta 60
tgatagtcac cgctttaaga gtgctgtaca ccagcagcgc ttcgaggcca tcaagggatg 120
gtcgtttctc tgggagcgac gcgtccagct caaggacgac gagtatactg atttcagga 180
agaaataggg cgccggcggt gggcaccact ggttactcct atggccaagt ttgatccata 240
aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc gtgacatgag 300
atcctgggta aggggtcagt ggatcccgtt tgatgccgac gctatcagcc aactcctaag 360
atatcccgtg gtgttggaag agggccatga ttgtgagtat 400

<210> 17498
<211> 378
<212> DNA
<213> Glycine max

<400> 17498

atcttgttat ttgaggctta gcgtaccatc aagcttcaac ttacagagag tagttcatgc 60
ttagcgccac aggtggtaag cgtacttcca agagttcaaa aaccgtaaga gattggtgct 120
tagtgcctcc tggccagctt agcccagctt aaaagctcaa gttacagaat ggatatgggg 180
cttagtgcag gatagcacgc ttagcgctgc tacaatgaaa tgtatacaga gaagaagtgg 240
cgcttatcgc atcatccacg ctaagcccac aggttaaagt tcaattacca caaagatatg 300
gggcttatcg cagtgatgtg cacttagctg aactattcag ccaaccaatc atgggtctct 360
atgcttagca cgagcaag 378

<210> 17499
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 17499

tgcacacaag attctcctta cctggcactt caattttcttc tgggtgggac atatagatgt 60
 cttcctctaa atcccatgt aagaaagtag ttttaacgtg taactgctct aagtgaagat 120
 tctctacagc tacaatattt agactaactc tgatgatagt catctttaca actggagaga 180
 agatctcttt gaaatcaatt ccttgtttct gctgaaaccc tttcaccata agtctcgcct 240
 tgtattttct tctaccatca tattctccct ttagcctata aaccactta ttctgtaaca 300
 ctttctttcc ttctgacaat tcaattaaag accacgtctt attcttctga acggatgtca 360
 tctcatctat cattgctagc tcccactcaa tagaatcatt ccccttc 407

<210> 17500
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17500

tctttctttt tagtctcagc tgatgaagat gaattcgtgg ctacttcatg cactcctcta 60
 atgacaataa catcatttct ggcactaaat tgctgggagt ttgaagccgt cttctcaatt 120
 aaatttctgg ctgagcagg ggtcatgtct ccaagggctc caccactggc agcatctatc 180
 atacttctct caatgttact gagtccttca taaaaatatt ggagaagaag ctgctcagaa 240
 atctggtggt gaaggcaact ggcacatagt tttttaaatc tctcccagta ttcatatagg 300
 ctctctccac tgagttgcct aatgcctgaa atatccttcc tgatggcagt ggtcctagat 360
 gtagggaaga atttctc 377

<210> 17501
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 17501

tggagcagac aatctatata ctcaaggtgt agggtagtg ttaggtttac tgttgatatt 60

tatcctagtg acaacaataa agttgtttta gttgtatcta ctttggcata gtagatttag 120
gcttttcccc tatgtaatct tgtttttgtc tctctgtaac caaacatcac atatatataa 180
atcagttgag tgtggttagt gaagtgaaca aaataaaaca aagaagggag ttgaattgtg 240
ttttcaaata aacttctcag tataattttc tcaaccagtt tctagatgaa ttacttataa 300
aagcattatt taataaatga ttatagaata agcaataata gtgaaatagg aagaaaatgg 360
catagcagat ttatactggg tcatcccaag tcataaggct acgtccagt 409

<210> 17502
<211> 544
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17502

gcacccgcga tactcntact acgacggcgc gcagaagaac acaggagacg acatggcggc 60
gtaacaatat tactannnnn nnnagaagag gggctcttga tgacgtggta gaacanccca 120
nggcnaaanc gagctcggga ccgggggagc cacnagagcc gaacagcaag caagcaatat 180
cttgcaagca cccaccagcc ggagaaacga ggcgggccaaa aacggagccc cacccaacca 240
cccgcacaaa gaacaagctc aggacaacac caacgccaga agacgaacac accagagagc 300
ggcacactaa acggaccaga accctcgcaa gcagccacag gacaaacccc gaccagaac 360
cccgcacgcg aagcataaaa gaagagacca gagggagggg aacgagggcc aacggcgaca 420
agggacaaac cccaacacaa ccccaaaggg gaccgcccgc ggctcaccaa cccccagcag 480
aggcaaaacc acacaagaag taccacacca gaccgagggc ggcaacagaa gaccccaaaa 540
ggcc 544

<210> 17503
<211> 325
<212> DNA
<213> Glycine max

<400> 17503

tgagtcatgt gcccttgtat gcaatgcttg agcctatgtt attgcgcctg gcattggatg 60
tacgtggtgc atgccgactg tgcataaatg catggaccga agacccccga gaaaaggagc 120

cccacagagc ttaattgctg tcgttaaata tgtactggaa tcagcttgaa tactatgttt 180
 gtggactgag tgcgtgaagt tcatgaaaag catggccaag tgacaattgg atatctcatg 240
 tcccacgcta gagattgaat atgctttgca cctaagttaa cagattggat atagatcgaa 300
 gaaccctgag ctagtgagtg ataac 325

<210> 17504
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17504

taatcttatt ttgcaaatat tnacaataga cctcctgaac ctcagcagca aaatcaacca 60
 cagcagagca attatgacct ttccagcaac agatacaacc ctggatggag gaatcacctt 120
 aaccttagat ggtccagccc tcagcaacaa caacaacagc ctgctccttc cttccaaaat 180
 gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaaccccag 240
 atacaaccaa cagttgaggc cctccacaa ccttcctcgc aagaacttgt gaggcaactg 300
 actatgcata acctgcagtt tcagcaagag accagagcct tcattcagag cttaaccaat 360
 cagatgggac aattagctac cc 382

<210> 17505
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17505

tctgctcaat gtgcaatatg aacacatctc tccattcatt attggaatga gaatagatag 60
 tggtgcaaca gatgtagctg ctctcatacc catgggtttt ggataccgtt tattggcata 120
 tctctctcta atgcgaatga atcttctatc tcgagcttaa atactacttg atcactcttg 180
 catgtggggt gataatatta attaaacata gactcacatg tacggaggac caataattga 240
 cgtacctagc acattacata ttgaggcttc atattatgtg tcgacaatat cgtataccat 300
 ttaatcagca tgttgaatta ccactcagct agcgctttgt tatgatcatc atacgctoga 360
 ccctatc 367

<210> 17506
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 17506

gatacccagc aggcacagaa tcacaaacca atacctgatg caaggggccg cgggttggtgc 60
 accactactg accacaatac agaccggtgc ctttccatgc agcaaccagg aacaatagag 120
 cagccagaag cataagctgc aatataaac aatagacctg ctcaacctca gcagcaaaaag 180
 caaccacagc aaagcaatta tgacctctgc agcaacagat acaaccctgg acggagggaat 240
 cacctcaacc tcagaagggc agccctcagc aacaacaaca acagcctgca ccat 294

<210> 17507
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17507

tactcagcgg accaatttga agaaaattct gtttcttgct aatnaagca ggagagctct 60
 gatacaatag actcaactca cgacaactcg tagacataac taataagtgc aatgatctt 120
 gtatgctgag aatgatggct ctgaacttag tagttggata tattaactta tcaatggagg 180
 aaaagactac cgtaatgcta agaactattg ccccttggat gatctcggtt ctaaactgac 240
 tcttatttcc tctataatga atgtagactc tctctattc atacagttca ttctttgcta 300
 tcataataaa tagaattttc ctttgtggaa ttttctaata tatatcaccg agaatgaatt 360
 ttttgctttg acctattata aatcatacta ccatttc 397

<210> 17508
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17508

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatgacg cctcctgtca cctcttctcc tttgtcttcc gctgcatctc catggtggat 120
 aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180

gcaagcttcc atcaaagtgt atgaatttta aaatccaatc ctacagtttc ttgaattaat 240
 taaattcggtt attattgttt ctgtaatttt atgtattttt gacacactaa attcgattat 300
 atttggtatt tcattccttt agttattttc gtcaattaaa caaacccatg atatttcgat 360
 taaacttgta cttaa 375

<210> 17509
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17509

tggtgccatt agaagagaat gagtatgtga ttggtattat gactggaatt gtagtcagt 60
 ttgccagatt gattgtgaag gaatgcattg accgtatccc ggtgagagtg tgatccttaa 120
 attttgagag aaatgactat catttaatac tgatttttgc atgaatcttt gaagtatgga 180
 ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgggatagc cacttagcca 240
 cgtgtttgaa tgatttatcc tttgcaccta atttgagctg aatgaattat tgattgattg 300
 aaccctgagt ctatagagtg ttatctcttg ctaccttgac ttaggttgta ggagagcatc 360
 atccacagaa agtgtgggtc anagcanatt tgtcccanat nttggggag 409

<210> 17510
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 17510

ttcttgggtg atatggaatc tctgtaattt ggagaataaa attatatcag tagaaagaat 60
 acttcaatat actagtattc cttgcgagcc tccccttggt gtagaagaca atcggccaga 120
 tccttcttgg cccttgtatg gtgaggttga catacaagat ttgcaggtag attgagttct 180
 tatatttttt aaagttttgt acttttattt tctttcattt tgtggataat tgatttataa 240
 aattcatgct aagggtttttt tttcctaaat ggttacaagc tagtatctga aacagaataa 300
 ttgtgccaac atatttaata gcataatttt tacactatgt ttgtaatgat gtgttgccat 360
 gatgaagggtt cgttatgctc cac 383

<210> 17511
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17511

tttatgtgaa aggatgtgac tttcatatt tgaatttgaa tttcaacggt caaaagcact 60
 ggtaatcgat taccaaaaca ttgtaatcga ttacaacttt ttgaaattaa ttggaacggt 120
 gtaaattcaa ttgaaaact tttcaaaac aattttgctg ctggtaatcg attacaacaa 180
 tccggtaatc gattaccaga gagtaaaaac tctttggtaa acacgttttg aggaaaatca 240
 tgtgtacttc aatttttgag aaaaactttt cataacttatac ttgattaagc cttctcttga 300
 ttcttgaatc tttagtctag aatcttgatc ttgattcttg agatcttgag ccttgaatct 360
 tgattcttga ctctaaactt tcttcttgag tcttgaattc ttcttgattc ttatcttg 418

<210> 17512
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17512

tttctattac ttggccttgg ctcatctcca cccctagtgg ttatgattct actctactta 60
 tattttactg ctgtctatct taaaagttaa ccatacaaaa cttgttggtta gttatctact 120
 gacatcctag tacagaaatg tccgtacaat gaatatataa tatttttttc taataatatt 180
 ctaagggtgac aataaattaa tatacatgtg ttgaaaagt cacataacca atatttaatt 240
 gaaattatct gcatatattc acttttntgc atataataag tatatttaac tacttatctc 300
 aaatgtcaac gtaacgaaca ttctacccat tgatagagat ttgtattcat tactagtaaa 360
 taattttaaa aatgacatat acaa 384

<210> 17513
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17513

ttgtgtaatc aattagcact gatttggtta tcgatttcca gttatagttc ctgaacaaaa 60

gcaaaagatg taactcttcc aatagttttc aagcttttct aaaagttata acttttccaa 120
 atgggttttta aattcttcta aagggtataa ctcttcta atgttttcttg actagacttg 180
 aagagtctat aaaaacaagg ctatgatttg caaaaaataa caattctttt gacaacaaac 240
 ttttgccaat tgatttctaa tatctttgaa cttttgcttc ttcttctttt gccaaaaaga 300
 attcaccaag gactaaccgc ctgaattctt tttgtgtctc tcttctccct tttccaaaag 360
 aacaaaggac taaccgcctg aattctnttg agtctccctt ctcccttgtc aaagaattca 420

<210> 17514
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 17514

ttcttttctt gccccgtgct gtataccacg gactcatgtc caccttcaaa aag 53

<210> 17515
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 17515

tgtctaggca gcgtggcatg agcaaacgaa ggatatgtgc atagggtccc caaacgatgg 60
 cggttgggag aggttcaaga attcatcgca ctaactcttc ttcaggattc ctgtcagcct 120
 gttgtctaca gcttctctcc caattgacgt c 151

<210> 17516
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17516

agcttgccac ccagctcgcc caggcaagct aggttgcttc ctccataagc aactgccttc 60
 tggaggaatt ctctgtaagg ccaagtatgc ctgattgcta tttgcacccc catttttact 120
 aaatacacct ctgctcttt tatggtgatt ttcttccgta atattacgaa actttacgaa 180
 tttctgaacg atgcttggtt cttttccgta atgttatgaa accttacaca ttacataatc 240
 atcccttctt tgcctttcgg aatgttacgg aactgtacat agcactaaca cctcctttta 300

atatctggca tgtcacggaa cttcactgat tgtgctacaa tgcttaattt gacttctggc 360
atgtctacag aactacacg 379

<210> 17517
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17517

tgactaatca aacttcatt agtcaacaat ggttttctca ttaggtgcac cttgactagg 60
taactggggtt aataaaaaga agacagattc atcaataatc atagggatac cgtgcacctc 120
agaaatcaaa gttccatcca gaattttcaa atttgagtaa aagactcgta caagttcagg 180
atagtaaggt agtttcaaag acataaaggg aatcaaccta gtgttttgaa acaattgata 240
acaatcaaaa tgtttcacca taaaaaaatt taagtctagg tacttgggat caagaatttg 300
cctagaggaa aagagagatg agtactgtag acgttggtcg ttggataaga atagtgtgga 360
tgatgacaat catggtggaa ttggtgtcgg nggtgctcgg gtggctccgt gacgtcgatg 420

<210> 17518
<211> 383
<212> DNA
<213> Glycine max

<400> 17518

tttaataataa taattgcatt aatagaatta atatatatat atatatatat atatatatat 60
acacacacat ttttttcttt atttactaat ataacaaatt gcacaattta ttaaaattta 120
agaataatta tttgtaagag acagaaagga acaatttaca attgattaaa atttaaaatt 180
taacgcgtcg gagtcaatag caatcagaac accactctaa attttaacaa aataagtcgt 240
gccttttctt tacgggtcaa aataaatcaa gtctatatac aattttctat aaatataatt 300
gacatatagc caatcaatag tagtaattat gacaaacaag aataataaca aataaagtta 360
ttttaaacag gttaagagac ata 383

<210> 17519
<211> 420
<212> DNA

<213> Glycine max

<400> 17519

tctctcagca actttgactg caaaacttca caggagctac atgggttctt tgcaagtgac 60
aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgcaaa atgcaacaac 120
ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180
gttgccacat aagagaccag aggaggagca agagtcagag gcaaataagg gtgtgaaaag 240
ggttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300
gcaaatagatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360
ccaggccctc taattgaatg tgcattgttt tgagctgaat ttaaagtcac aattgtaggt 420

<210> 17520

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17520

ttctttaacc gatcgtttaa gtcgttatct cgcctaataa atgataaaat gaatttcaac 60
cgatcatttg cattgtaatc tcgtctaata actgttaaaa caaaatctaa ccgatcgttc 120
aactgtaat cacggttaaa caaaaaagg gaaaaataat aataaaaaaa tcaaaatata 180
ttgaaaaaaa taataataaa ataatacaaa aaatcaatcg gacgtttttc tctgaaagtt 240
tccttggatg aattgactaa taaccaaagt gaaactaagg ctaaaatcaa ctcacaaatc 300
aagctntgtc cacaaaaatc actaaaaacc gttttaaggt ccaacgcctt aaatggtcct 360
ctttgctttt atcggttatc atgg 384

<210> 17521

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17521

tgactaggcg agttgattnt agccttattt tcactttatt tattagtcaa ttcgggtaag 60
aatgagaaat cccaaagaga aaatgtccgg ttgattttcc gctttatttt actaaaaggt 120

[illegible]

| | | | | | | | |
|-------------|------------|------------|------------|------------|------------|------------|-----|
| tctcttctcaa | gaaagttttc | tcaagaaagc | ttctcaagga | agctacctag | tctataaata | 60 | |
| gaagcatgtg | taacacttgt | tgtaacattg | atgaatgaga | gtcttgtgag | acacaactca | 120 | |
| aagttcaa | at | tctctccctt | tttcttccct | gaatttcgtg | ctccccccct | ctctctttct | 180 |
| cttctctttt | cttttctctc | attgaagcat | cctctccaag | ctttttatcc | aaggctcatc | 240 | |
| ttggtggtga | agctccttat | tccatggctt | attccctagt | ggatggcgcc | tcctctcacc | 300 | |
| tcttctcctt | tgtcttccgc | tacatctcca | tggtgaaaaa | tcaccattaa | aggacctcat | 360 | |
| tgaagctcan | agattcagcc | | | | | 380 | |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|-----|
| tgggaaggatg | catcaatgga | ggaaaagata | gaggttatan | ttagagagag | gagggagcac | 60 |
| aaaattgaag | gaataaaaaga | gggagagaag | tgggaactttg | aagtgtgtct | cataagactt | 120 |
| tcattcatca | aagttacaac | aagtgttaca | catgcatcta | tttatagact | aggtagcttc | 180 |
| cttgagaaac | tttcttgaga | aaacttcctt | gagaagcttc | tttgagaaaa | cttccttgag | 240 |
| aagctagagc | ttagctacac | acactcctct | cctaactaag | ctcacgtcct | taagaatctt | 300 |
| ccttaagaag | attcctaaag | aagctagaac | ttagctacac | acacctctct | aatagctaag | 360 |

cttaactcct tgagatgaga agttagagct tagctacaca cccctataa tagct 415

<210> 17524
<211> 383
<212> DNA
<213> Glycine max

<400> 17524

ttatcttcta acaagcttag aacatcttca aattttgtct aaatattatt acaactcata 60
accaatccat attcaaaacg acaaaagctt ccaaagagct cataacattt taagtttggt 120
ctcaatatca ttctagctcg gaaccaatac atattcaaaa caacaaagta tttcaaatca 180
tcaaaacaga aaaaagttcc aaatgaacca agtttaataa aaatcatcat cttcaaggcg 240
ggagattgca acagaagtaa cgtcagttat caatggttct gtcggttcac ctatattgaa 300
aaataaaagt tagaatataa atatttaact tgacaaattt aattcaatct ttaaaaagaa 360
taccttcac atcagactcc att 383

<210> 17525
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17525

ntgtataatc acatcagccc acaatttgta tgtttatgct ctctcaatga tgtagagga 60
agttcagcca aatatgggtt agcatatctg caagagggaa ttctttctga tatagctggt 120
gagaatatca aagtggataa tgagcacaaa ggaattccaa tcctgattag gaagttgcac 180
ggcaaaaggg ttcttttgat acttgataat gtggacaagc tggagcaatt ggagtattta 240
gcaggagaat gcaattgggtt tggtttgggc agtagaatta tcataactag caggtgtaaa 300
gatgttctag ctgctcatgg agttgaaaat atatatgatg tacctacgtt aggatattat 360
gaagctgtgc aacttttaag ttccaaggta accacgggac ctgtacctga tta 413

<210> 17526
<211> 177
<212> DNA
<213> Glycine max

<400> 17526

ttcttgctcc tataacgagt ccacagagga aatgcttacc acctcacaag actggaaagc 60
 ggtctataat gactcctcta cggcttccac ataacgcata gaggatgggc agctcaccaa 120
 gatgtcttcc ttgcctgata cgatgaccag atgcccttcc actaccaatt tcaactt 177

<210> 17527
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 17527

tggatcatct tttaaaaaaaa aaagatatcc tctttgtttt attaatatgg gagacaaaaa 60
 ataacagtat gcaatgataa aagaaagaaa aaactttctt gatttaaatac gatagtgcac 120
 tcataccata tataacaaaa gtactctatc cactttatga aagaatttaa ttcctttgaa 180
 cattgaatct cccatgcaac tgggtgtcaaa ctaaggcaca attataaata tatggagaag 240
 atctgggtctt tgattatttg tatttttttt atgaattata cgccatgact ttctgctcat 300
 ttcataaatt aagttgctta ttaaactctaa caactcaggc aaaattagat tcctttccct 360
 gtataaactt aaaacatgat acgactcatt tttatcaata gtcctaatacc taa 413

<210> 17528
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17528

ttttctttta tgcttatcag aggcattccag cctatccctt acacgattcc tcttacttgc 60
 catgtctgaa tcagtattaa caggagaaat gctacgacta ctctctgtat aggacattcg 120
 atttgtagga ctaaccataa ctctcttggt ttgaattaca ttgcaacaag agggactagc 180
 ctccccatta catgttgcaa caagagaaat cttaggatgg gatacatatg agcattgggt 240
 aacaatagat ccttgagtct gtgatttggt gggggcaaaa ttcccatatg atgattgaat 300
 tggagaatgg ggccgagaaa ttactttatt attgattgta ttacttgatg gcaacaatgt 360
 gttttgacct gagagaat 378

<210> 17529
 <211> 400

<212> DNA
<213> Glycine max

<400> 17529

tttaaaat ttt gaattaaaac gttcagattc tgctgtttat cgattaccat atatgtgttaa 60
tcgattacat agtgcaaatt ttgaattcaa attttaatat ctgttgtaaa ttacttttgg 120
ccactagtaa tcgattacat cctctggtaa tcgattacca gagagttaa ttgtttgaaa 180
aagacttttt aacttaaatt tcttggtcaa accttttgct acttcaattg gaattccctt 240
cctatttaaat ataccctttc taagactcta gagactgtct tgatcatcca tcttgaatat 300
ctttaatttc tttgtcttga ataaagcttt gagacgcatg tgaacctttg gcatcatcaa 360
aacattcagc ttgatccttt gtctacaatt acttagacac 400

<210> 17530
<211> 371
<212> DNA
<213> Glycine max

<400> 17530

cttgcatctt ttatgtttga gtgtccacat agatgtgtgt tatgatcagt tttgcataaa 60
tttctaata tcacgtgat atgcatgtca tggaaatgat ttggggcatt ccttttattc 120
ctgagccacc tgctaagcaa atatcccgac atccatcatg tctcgccatt ttaggcctt 180
ttgagccaaa tgtcaaactt tttggtcaga accttggcct aagatggaaa tttccaacct 240
cacccttggg agggagcaca aaaagatctt ctgagagaag ctccctttac cttaggttac 300
aagtgtgagt caagagaaaa gacaagaata tgataaaaat caatcaatca aagattgagg 360
aaaagcaaga g 371

<210> 17531
<211> 389
<212> DNA
<213> Glycine max

<400> 17531

tgagatgagg aagtgttgaa gggtgaaact tccttttttt attgttgacc acagagtggg 60
acctggagat atgtcgctggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180

tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtggtgg ctggccagct gtgaaacttg actgatatgt gagatatgat 300
ctctggtaat cgattaccaa gggtaggtaa tgcattacaa ggcttaaaaa tgaagacagg 360
aggctaagat ggtctctggg aatcgatta 389

<210> 17532
<211> 371
<212> DNA
<213> Glycine max

<400> 17532

atctttgctt ttaaggcttg tacctcatga ctttcttccg aagctttaac ctcatgtgtc 60
ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct catccactta 120
tgatagccgc cgatgatccc attactgctt cccctaagct ctctgtcctt tcttcacgcc 180
gcatcccatg ccttgcaaac tccttgaggt accctcgcgt tgtggtcact gaaaccccg 240
gcgatgaaag gcgtgatgct ttcgtctgat ggcactcttc tcatggggta gccaaagctgt 300
cttatggcga ggacgggatt ataattaata caacccttg ttcccatcag ggaacatttg 360
gacatccttc g 371

<210> 17533
<211> 407
<212> DNA
<213> Glycine max

<400> 17533

tctagccaaa tggacttacc ttgtattaat tcctttgata gcccttttga gccttgtgtc 60
cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttgggttaaat gttggacatg ctgaatgaaa tggtgtttct caaaggctaa 300
agagtaaaaa aaaaaaaaaa attcgaaaaa agaaaaagaa aagcaataaa gttgagtga 360
taagatctta aatggcacia gaatgatgaa actcttggtt ctactct 407

<210> 17534
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 17534

ttcttgata gttccccaat ttatggcat tttggagtaa attttgtaaa taaatcttgt 60
 tttatgatta atgctgtctc tagaacattt ccattggatt taatgatgaa atctgtgcat 120
 ttttaggtga aaaagagact acgttttgaa ttgcaaaaag tagtagatgg gtttagctca 180
 gcagttgggc taagcgcata tccaccgcta ggcgcagctt cagcgtgctt aacgcaaagg 240
 agaatatggc agagcatcag catcaagggtt gcgcgctaag cgcgagatca atgagctaag 300
 tgcaccccg tctcttggc actcataccg ct 332

<210> 17535
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 17535

tgtctcagcg tttacgcgag acagagacca gcatgtcagc catcgctagc aagtaccaag 60
 aagaattaaa tctagccacg gccacgagc acaatgtggc ggacgagtat gcccgagtgt 120
 acgcggaaaa tgaggctaga ggaaggggtga tcgactcggt acaccaagag gcaacaatgt 180
 ggatggaccg atttgctctt actttgaacg ggagtcaaga acttccccga ttgctagcca 240
 aggccaaagc aatgggtggac acctactccg cccccgagga gatccacgga cttctcagct 300
 attgtcaaca tatgatagac ttaatgggtct atataattag aaaccgctag gaagtttgta 360
 ttgtcgctca gatcttgact agttataact ttctgaataa aatgagttta tcccacgttt 420
 t 421

<210> 17536
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 17536

atcttgcat tgggaattgcg aaagccccac tccatcatta agattagtac ctgacatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttgct gtttgaatac ctcacccact 120

caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgcctt ttaccactct 180
aattcccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
caatatgtgt aaggtaaggc tagacaagga aaaggtaaac caagaaaaag gctaacaatg 300
tttttaggca caaatgaagg aaataaaatt cagaatttaa gaattcaagt aacaatcctt 360
catgcaacca atatattacc ttaaa 385

<210> 17537
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17537

ntaacattca atttcgagcg tctcgatata ttacgttcct ctatcagaca tccgagtaaa 60
aagttatggt cgtttgtatt tgcctcagagc ttccacgttc aatttcgagc gtctcgatat 120
gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180
attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa ttggcttaga gcttcaacag tcaatttcga gcgtcttgat 300
atgttactgc tcctgaatca gacatgagag tgaaaagtta tgaccatttt aatttcttga 360
gagcttccgt tgttcaattt ctacgctctc gatatgttat gtgtctgaat cggacatg 418

<210> 17538
<211> 381
<212> DNA
<213> Glycine max

<400> 17538

atcttgcgtt ttatttcaga cattccttta tttgagcagc ccaagtcagt atctagctcc 60
tctcgatct ctgatagaag tgtcttctgt agatcttcca ggccattgat tttgtttgat 120
ttttctctaa cattggaaag aaaacttgcg gcatcaaagt ggttcacaat gttgttatac 180
aaagctgtgg caagttctgt ttttccgact ccaggagagc cccatacacc caacatgcgt 240
acagtttcat cataaggctt catgtctagg agtgacatta cctcttccat gcggggccaa 300
agtccaatag ggttctgacc agtatgtaaa ggattatgag ctatgtgttt atagaccttg 360

tcagctatct tttcaataaa t

381

<210> 17539
<211> 421
<212> DNA
<213> Glycine max

<400> 17539

tgcaagttgg taggggatga gaagaatagg ctgttgataa tgatgtatgg aatccgtaaa 60
ttgaagggga ttatggaggt ggagaagaga aagaatgatt ctgagaggaa ggaagacact 120
gaagcatgca agttacttgg agaagagaag aaaaagggtg ctgaaaagga aaaggaaatt 180
ggtagattga aggggtgtat agaggagaag aagagaaggg ttgattctga gaggaagaaa 240
gctactgaag cttgcaagtt actagaagaa gagaagaata aggctgccgt aaagggggag 300
attgccagaa ttgaagcaga gaaggcagtg aagtatagtt ttcagattgg tcaattagag 360
aaacaggtta atgaagcaaa aacaaagttg gtgtctgaga tttctacgtt tagagaggca 420
a 421

<210> 17540
<211> 381
<212> DNA
<213> Glycine max

<400> 17540

tgtcttttgc agtttgaaag tcagacacat tatccaattg tgattatatt atctcatttt 60
ttgttattta cttattaatt tatttaatgt ttttaatcaa cacttttaag ttttaattat 120
agtgtctatg gattcgctca ctaattgtta ttttctaggc ttttgcaatt tcttatactc 180
tttgcacttg caatttgata tctataatct atatgtatat agtatataca tacgaaatct 240
atatttatag tatatacata tgaaaataat ttataaaagg aatttataca cgtggtattt 300
tttaagagtt ttaatcaata aatttaatta taatttaaaa ataacaaaat gtcacagatt 360
accttcttaa catcagaata g 381

<210> 17541
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17541

ttgtatgggt ccatttaciaa ggagtttgag gggtatgtnt tatttccgac gttagagaaa 60
cctcaaataa aaagggccta caacatcttc aacaagagct tctatcagag atacttgggc 120
gcaacgatat taagctaaaa aaaatgaaga aatcaataaa aaaatagact tgggttaaaa 180
agagttctaa tttttctaga cgatgttgat aacatcgaac agatggagaa tttggcaaag 240
gaatgtgatt agtttgggtc tagaagcatg ataatacataa caacaagaga tacacatttg 300
ctagatcttg ttggggtcga aaagagatat gaagtgaag tgctaaacga ccaagaatct 360
ctggagttct tttgtaagag tgcctttaga aagagttgtc ctgaaacaaa ctacaaagat 420

<210> 17542
<211> 383
<212> DNA
<213> Glycine max

<400> 17542
ttcttattat ccaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct 60
aatggatggg gcctcccctc tctctctctc ctttgcttcc tgttgcatct ccatgggtgga 120
aaatcacat tgaaggacct caatgaagct caaagatcca gcctccatag aagctccaca 180
agcaagcttc catcaagtgg tatcaaagca caagagcttc aagtaggtgc tcttaaacc 240
tctattaatt ttttgcttta ccttctcttc cattgggtgtt tcatcatttt tctccatgta 300
tctctcaca tgtcttggtc taaatgtttt taacatgatt ctttagagtt tccaccaatt 360
aaacttgcta tagaagctag att 383

<210> 17543
<211> 420
<212> DNA
<213> Glycine max

<400> 17543
tacagtatgc ccgagtcatt catccctatg agatgttggt gtattattgg cgatcagaat 60
tgccattcct tggattatag ggttgaacca agctcatgct tttaaaaaa ggttcatcaa 120
gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc 180
acatcactgc ttogtctact gccaaacata tttaggatta ttgatgtcct tgttacttcc 240

agttttcacct tgacaaagat gtcattggacc atgttgaaaa tctaaattga ttcaacccca 300
 tatcctgcgt aaaaattcgc aatacttcaa ctgtacatca ttcgcataca tccatgcttt 360
 tcattgggtg cattgctcat tgcattcttt ccttgaaaaa taaaataaaa tgaacttaat 420

<210> 17544
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 17544

tattcttggt aatggaggca cgttcgtcac gcttagttac cttacaggac gagaactctt 60
 cttacacctt gagaccaccg ttagctctac aaatggggcg ttgggcgtat gatgttgcg 120
 atacacgcac ctgcaatctg acgatttgca tgtaagataa cggggccctg tatcacacct 180
 tacgagcgat agatggctat ctctacatgc gcatgggcaa gtggtatgac tatgaacatc 240
 tagtatcgca ctccctcttg agagacttga ct 272

<210> 17545
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17545

acacagctgc cgcgacagat cccgtgttta ttattattt cagacggtag agcggttatt 60
 gcctcctctc atagtgaat agcagacact cgtactgcgt tatatgataa agtacgcgca 120
 ttaagcgttc ttaataacct cgaggtgctt taccctgct atagtgcgac cctgatatag 180
 gatctcatca caccagcttg acggatgtca gtgtctttat atagcgccgc atgctgccat 240
 atagcctggt tcacgagagc ctcgctcatc gtatatggct ggctgatagt aggtactctc 300
 aacagctcta tccagtcgtt catgtacagg ttgatccatt taccatctgc tgctgctgtg 360
 gcggaataga cgtatacgcg catcggttga acatgattgg gtaatgatct gn 412

<210> 17546
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17546

ttattcttgt atgattatgg ggtacccatc acatgtggta ctaagtggcg gtcgggcat 60
ggtgcacaac aagtttctcc acatccacaa tgcgcgcata aaccaccat ccctgttgc 120
ccacctcaa ctgagctcac gtactccac gtagccata tctcgtttc tctcaacacc 180
gggtcccat caatcctccc aagcttccac aacatccaag caaaacaaca ttcacacagc 240
acaagctatc acagccaagc aaaacagagc aaaggcagaa aactctgcca aaacaccaac 300
caaaagtcac agcttttacc actcaaagac cccagtaaca attccttcgt tccaattcgt 360
taaccgttgg atcgac 376

<210> 17547

<211> 404

<212> DNA

<213> Glycine max

<400> 17547

tgtgtgtatg cacagttatt agttaagtta ttcctttagt tattttgaat ttccaatata 60
gttataaaat gcaattcaat gttgaagcat aaaaaaactg gatattaata actaaataat 120
ggtgaaaaca acaaaattag cgaagctaaa aggctaaata tttaaaagta aatgattggt 180
caacatgtaa attaacaaac catcatttta aaaccagaa aatacaaatt aaaattcagt 240
cactattggt gtcgccccaa ttttttttgt cttctaataa caatttccca aattttgtca 300
tgaagcctct ggtagaatga gagttcgtat ccactattgt tgggtgagtt caacaatcca 360
tacatgcatt ctagatgtta gtaggggtct atcgcatgat tggt 404

<210> 17548

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17548

aggcaatcac tcgaccggga tctctaagca cctgcagcat tcttcttgat cctctgggct 60
gtatatatta gcatataact cattcaccat agctacatct atgcttccat cttggagggt 120
ggcaaggcgt ttgtgtagat tattgtttga actcggaaag tgcaccggat cgcgcaagta 180
gtataaaatg gtaagaaccg agtatcaaac tctcaggtaa cttgtgttgc ttggtaaagc 240

tatattcagt gaataggtgt ctagtatgaa aatatatgtg taaactatga tcaggtatgt 300
 aaactaacta ttaaaaagaa atatcacgtg agtaatgatg tgtatagaca agaagacaac 360
 gtgtnggttc tcttattagg tgcctgattn tataaggata ttctttactt aacaatgctc 420
 atg 423

<210> 17549
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 17549

tgtgtggtta gagggattgc taggaatata ttttattgat gaaaccgaag tatttgtatt 60
 ttaggggtga caataacaaa tgctttttat attgaatttg agttgaaaat gaattaaaat 120
 gaaatatcaa ttttactttt actattactc tatatttatt gcttgattca tgtattatgt 180
 ttataaatgc cattcatatg gataagacaa caattaggag tataatacgt gactttattt 240
 tattttatat ttagattcat actaaaccat actaatagtg aaagaggtgt ggaactcaca 300
 ctaatagtga aaatttctat acaattcttc tccccttctt agaaacccaaa cctaccctta 360
 aggaactaca tctaccaagt cttgtccagg tgataactgt taaaatgaga ta 412

<210> 17550
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17550

atcttttagtc aaacaaaata atccgaaaat gtcaaagaat tgagtgttga aaaagcataa 60
 caagactttg tgtgattggt ttaaagatac aatctttgca gatgagaatg cttcagaaac 120
 attaagaaat ctagcagatg ggcctaaaag aaatgttata acctggcaag gatacgacat 180
 aaacaggtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
 ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcc aatcctgtgt 300
 agcttccatc ccttactttg gggttcattga tgaaatttgg gagcttaatt atgtgaaatt 360
 tacagtatgt gttttcaa at gt 382

<210> 17551
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 17551

ctcataagtg aaatcaggtg tagccatttt cttatatattc ttgatcgagg ccgtacccga 60
 atcaaataaa cattaaaaat gcagtatcta ggaagtgatc ctaggtcgtc tcccaatgag 120
 caatggttaa ccaaacattc ataacagata gtaataaaat agttacgaat tggggggggg 180
 ggggggtgtc taactatgtt gaaagaaatg atgtaatggg ctatgcggga aacgaccctg 240
 cctaatacagg cactacattg attacaatca catcagacat gatattgcat 290

<210> 17552
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17552

tctcttgcac tcttctcaag gaggtgagct tagcttttat atcgggtgtgt gtagctcatc 60
 tctagctctt caaggaagct tctcaaggag gtgagcatag tttttaaatg gatgtgtgta 120
 gctaaactct agcttctcaa ggaagctttc tcaaagaagc ttctcacgga agctttctta 180
 agaaagcttc tcaaggaagt tttcttaaaa aagcttctca cggaagctac ctactctata 240
 aatagaagca tgtgtaacac ttgttgtaac tttgatgaat gaaagtctta tgagatacac 300
 ttcaaagtcc cacttctttc cctcttttat tacttcaata tcatgctccc ggcttctgtc 360
 tatcttttcc tacattaaag cat 383

<210> 17553
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17553

ntgcctttag ggcttgtacc tcatacattt cttctatgct ttaacctcat tgtctctcac 60
 agtctttaga tttgggagcc aatccaatcc ttgtgttcgg actctcaacc acttatgata 120
 gccgccgatg atcccattac ggcttcccct aagctctctg tccttcacgc cgcaccccat 180

gccttgcgaa ctcccttgag taccctcgcg ttgtgggtcac tgaaaccccg tgcaatgaaa 240
 ggcgtgatgc tttcgtctga tggcactcct ctcatgaggt agccaagctg tcttatggcg 300
 aggacgggat tataattaat acaaccctt gttccatcaa gggaaccttt agacatcctt 360
 cgtatgaaga tagaatcccg attcttcctt ccttcttgga gaa 403

<210> 17554
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17554

ttcttgcac cagctcacga atggatgatt aacttgaaga agtctaagaa ccaattatat 60
 gtttgttgag gaaacatcat ccagagtctt gaatcattgg tgatcataag gaaaaagtc 120
 agacaaggaa ctctttcaag catacaactc tacttttcga gatcggggccg aaacgcatag 180
 atgatgctat gtctaataa tactgggtca aagcaatgaa agataagttg gaccagtttc 240
 agaagaatga tgtctagaag cttgtagaac ttcccaaagg catatatgct attggagcaa 300
 agtgggtgtt cagaaacaag ctcatgaaa tatgtaaggt tgtgagtgga acaaagctag 360
 gcttgtg 367

<210> 17555
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17555

ntaaaatttg aattaaaca ttcataaact gctgtttatc gattaccata tatgtgtaat 60
 cgattacaca gtgcaaactt tgaattcaaa ttttaatagc tattgtaaat cagttttggc 120
 cactggtaat cgattaccaa agagtaaatt tgttgaaaaa gactttttta cttaaaattc 180
 ttggccaaac cttttgctac ttcaattgga attcccttcc tatttaatat accctttcta 240
 aaactctaaa gattgtcttg atcatccatc ttgaatatca ttaatttctt tgtcttgaat 300
 aaagctttga gacgcatgtg atcctttggc atcatcaaaa catcagctta atcctttgtc 360
 tacaatctcc ccctttttga tgatgacaat ccctg 395

<210> 17556
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 17556

ttgtcttgca atcttcatgg tgaatcaaag gtgttttgat gataacaatg atgataacaa 60
 aagatgatga ctaaggatga gacaaaaagc tcaaagatca atcaaataac aactcaagt 120
 aatcaaagat caatcaaagc acaactcaag tgaatcaaga acaattcaag agttcaagat 180
 aagaatcaag aagaattcaa gacacaagaa gaaagtttag agtcaagaat caagaatcaa 240
 ggtttaagat ctcaagaatc aagagaagac ttaatcaaga taagtatgaa atttttttct 300
 caaaacatgt taaccaaaga gttattactc tctggtaatc gattaccaca ttgctgtaat 360
 cgattaccac tagctaaatt gtttt 385

<210> 17557
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17557

tgtctcanaa tccttctcta agttacgaag tcatgttcat aataaaaata gtgcatcatc 60
 catgattttg ttagcattga atatgtcggt agtcaagata atgttggtcc gctgctgcca 120
 aatagaccat gtcaacgcta gccaccaaca ctccacctg ttgaccttta cagcctcagc 180
 caccacaaat atatgttgaa ggaaatgatg ttttgggttt tgcgggagag gaccacgca 240
 attcaccaa gacatcgatt cccaccacag cggactgatt ttgctgcaat gaaaaaacgc 300
 atgacctgta ttctcctcca gattactgca aaacacgcaa ctcgtatcat ttaattccac 360
 ctgtcgtctg tgaagggttg cccttgtagg tagtcgatct ctaagtaacc 410

<210> 17558
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17558

agcttatcga taaaattaac ttgacagtgc accctggatt gataattgac cattttgttg 60

tcaccttacc cgtatgacca acattttttac ttactcaaca taaaagcttc ttggaaccat 120
 ggataaccag atttgttaac catattgttc accttatccg tataaccggc ttaatcaaca 180
 taaaagtaac tcatccgtgg caatgtgtga ccagcttctt taactcacct agagggatct 240
 gtggaaatgt ctaccacaaa tgttactaaa agattgaccg gtagaagtaa aactacatac 300
 gtagcattca ccgtcataca aattttgcac acattcttcc atcattagca aaagataata 360
 aaaaaaaggt tccagaaatt 380

<210> 17559
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 17559

tattagcagg ctaaagacca aatgtcatgt acgagtactc tctgtgtcat tgccaaactt 60
 ttcaaactga aaattttaat acttgcattg ttccggcagc gtccattgta aaaataaaaa 120
 taaaaaactt aactttaata ctggaatcag ttgattttat attatgattt taaaaatatt 180
 aacaaaagaa gacaaacaac ttgttgatgt caaacctgg gtctgggtctt gactcgttgt 240
 aacagaagtg ccggcatgac tgagtcaaag aaaaacgaag tcaattaagt gggaaatcag 300
 aaaactttgt attcattcac atcttacatg atgaaatcct ccgcatcatt ctttgaattg 360
 acctcaaatt aatatgcatt gtaaatacca ttctagacgc atgcagttca agggttttgt 420
 g 421

<210> 17560
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17560

ttctttgttt tggaattgcg aaagccccac tccatcatta ggattagtag ctgacatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttgct gtttgaatac ctcaccact 120
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgctt ttaccactct 180
 aattccccctt gaggttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagacaagga aaagggttaac caagacaaag gctaacaatg 300

tttttacgca caaatgaagg aaataaaatt cagaatttat gaattcaagt aacaatcctt 360
catgcaacca atatattacc tt 382

<210> 17561
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17561

ntaacattca atttcgagcg tctcgatata ttacgttctt ctatcagaca tccgagtaaa 60
aagttatggt cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat 120
gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180
attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa ttggcttana gcttcaacag tcaatttcga gcgtcttgat 300
atgttactgc tcttgaatca gacatgagcg tgaaaagtta tgaccatttt aatttcttga 360
gagcttccgt tgttcaattt ctacggtctc gatatgttat gtgtctgaat cggacatgag 420

<210> 17562
<211> 408
<212> DNA
<213> Glycine max

<400> 17562
ccgtgatact ctgagtcacc tgcagcatgc attctttgag ctaagtatct cttggaaata 60
aatttagatt gtattcattc ttgtctgaca aaatcacaaac tgcaaactta accatcttgg 120
attttatcaa aactgaaat gaaggaacat ctttcagatt attgggttatg gagagattat 180
gatggaattg aatcattatt tggttttgat gtgggtttgc caagcatttc tattttcacc 240
aaagtcgtga tctaatttca attaattgtt ataggattga ggccccttgg gtaccgatca 300
tagaaaagga gaagacatat tggagaggaa aaaaatcatg tgcagagggt gtaccatatt 360
aacttggtga ctagatgaat gcaaggatgt acaaaaatga tccaccat 408

<210> 17563
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17563

ngaaagacga gacttttcca atgaggaaga gaatgttcag aactgcttgc caggaaggt 60
agtgatgatg gtatgctggc tgagggtcttt gctgatgcac cctgctgta atgtgccact 120
tttcaacccc tatagaattc tgtaatttta ggatttatca tttttttttt ccagagctgt 180
tctattatct cccttattcc acgtgaaaaa tttttgtga cttgtgattg aaacaaaaaa 240
ggatattgga agacacctga ctgttatgtc atcttttatt caaatgaatc atctccattt 300
tccccatctt ttatttggat tgcttaggtt tgtaaaggag gaacaattgc tcgttaatta 360
gcataacaac aattcangga agaggatggc ataaagcctc tacttgaata atttgta 417

<210> 17564
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17564

attctttata tatatcgagg cgctcgaaat tgaacaacgg aagctcttga gaaattcaaa 60
tggtcataac ttttaactcg gatgtgcaat tcatgcgcat cacatataga gacgctaaaa 120
aatgaacaac ggaagctctc caaaagttaa aatggtcata agctttcaca ctgatgtccg 180
attcaggctt atattatata gagacgctca aaattaaaca tcgaatgctc tcgagaaatt 240
caaatgggtca taactcttca ctcgatgta cgaatcaagc gcatcacata taccgacgct 300
cgaaagtga caacggaagc tcccgaaaaa ttcaaattgt cataactnta cacactgagg 360
tccgattcaa gcatataata tatcg 385

<210> 17565
<211> 416
<212> DNA
<213> Glycine max

<400> 17565

tcttttggac cttgaacagg caactaactc ctctttcaaa accatgctat gtgctcgca 60
ctgggtccctt tcttcttttc gcaacttgag ttactattg ctaccccata gagctccgag 120
aaatttggtc cggccatact cttccttgag agccctcttg gtctcttggt caagggctct 180

tgcggttaatt gcattctctt cccgtaaccc ggcacactcc ttccgaacgt gtgtagcggc 240
 caacttgaac ttctccttgg caagttttgc ctttcctaac tcgcttttga gagcttggac 300
 ttcttcgtcc tcttcgggtg cttcaaaact ctctttgctg acgactttta acttggcgag 360
 ccaatctaaa cctcgtatat gaactttcag ccattcgtgg taccaccaa tgatgc 416

<210> 17566
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17566

ttctttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatgacg cctcctgtca cctcttctcc tttgtcttcc gctgcatctc catggtggat 120
 aatcaccatt aaaggacctc attgaagctc aaagatccag cttccataga agccccacaa 180
 gcaagcttcc atcaaagtgt atgaatttta aaatccaatc ctacagtttc ttgaattaat 240
 taaattcggtt attattgttt ctgtaattnt atgtattttt gacacactaa attcgattat 300
 atttgttatt tcattccttt agttattttc gtcaattaaa caaaccatg atatttcgat 360
 taaacttgta ctta 374

<210> 17567
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17567

tgttgccatt agaagagaat gagcatgtga ttggtattat gactggaatt gttagtcagt 60
 ttgccagatt gattgtgaag gaatgcattg accgtatccc ggtgagagtg tgatccttaa 120
 attttgagag aaatgactat catttaatac tgatttttgc atgaatcttt gaagtatgga 180
 ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgggatagc cacttagcca 240
 cgtgtttgaa tgatttatcc tttgcaccta atttgagctg aatgaattat tgattgattg 300
 aaccctgagt ctatagagtg ttatctcttg ctaccttgac ttaggttgta ggagagcatc 360
 atccacagaa agtgtggttc anagcanatt tgtc 394

<210> 17568
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17568

cttgccatga tgcttggaat agtttatcct ttgaagataa ccataaccat gatctgattt 60
 ttaccaactc catcaccttt tcatggcctt tactgccatt attaaagata atggagtttc 120
 tatgaagcca aataatccaa ctcatgtgc accacacaac ttcccatctt tgatttgcaa 180
 ttgatccaac tctcagtata tagtgctata gatagtgatc ctgcggttgg ttatgttgag 240
 ctcccatgac tcccaaccat ctaaaacaca aagaccacac ttctgtgaa aaagtgaac 300
 cgaggaagag atgttgtaca ctttccaaat gctgagagca caaggggcac aaatagttgt 360
 tgtttggtcg tgccactttt 380

<210> 17569
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 17569

tgagatgagg aagtgttgaa gggatgaatct tcttgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 300
 tctctggtaa tcgattacca aggggtgggtg atcgattaca aggcttaaaa atgaaaacag 360
 ggggctaaga tggctctctg taatcgatta ccaggggatg taatcgatta cca 413

<210> 17570
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17570

ttcttctccc ccaattttct ataaataggg ggagaagtga agtgaataag gggttcagccc 60
 cttaggcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aagccgagac gcttccgaat cgtttccgta acgtttccgt gaggaatttc gcgaagggtt 180
 cgactgttct tcgacgttct tcattcggtc ttcacgttcc ttcaatcttc aacgggtaag 240
 tacctogaac caagcttttc gattcattct atgtaccgtt ggtgggtccac attgtgtttc 300
 atgtattttt attctcggtt catttacttt ntataccccc ttttgacgtg ctttaagccat 360
 tntattttaag tcattttctcg c 381

<210> 17571
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 17571
 tgctccagag attgaaggct tagtgggtgc catattatta tgtcttctga tcgcatgttc 60
 gttggacact agtgatcgga gacttatatc tacttttgcg gagaggtaac ataaggaaac 120
 tagtagtttc catcttccag taggagaagt gaccatcacc ctggatgatg tggcatcggt 180
 gctacatttg cccattatag ggcgattcca tagctttgag gattttcttg tggatgaagt 240
 cgttttcctg ttagtggaat ttcttgaagt tagttcagaa gaagctagag ctgagacagt 300
 acaatgtcat gggacatatg ttaggatatc ctgggttgag acatttatcg tagcaaagt 360
 ggcgcaggac agtggattgt aatagctcga gcatatttgt tgtatctagt ag 412

<210> 17572
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17572
 tatcttctcc tttcatggct tatectctag tagatggcgc ctcatctcac ctcttatect 60
 ttatctttcg ctgcaactcc atggccgaaa atcaccattg aaggacctta ttgaagctca 120
 aagacccaaa ctccatagaa gcttcacaag aaagcttcca tcaatattat acttagacta 180
 tcctaaaaaa tgatagcttt ttcaattgga aaccaagat tgctaaccag acctttaagt 240
 cagatcccat cctttattgc ttctattaga gcatgcattc tacctttgta gtggataaaa 300

ccacaatggg ctaaagagtt tccttcacac tatcaagaga gttgccaatg atgaatgcat 360
accttgtcat agttctcctt g 381

<210> 17573
<211> 413
<212> DNA
<213> Glycine max

<400> 17573

ttgaaagcta ttacgggtgga aataagttta tctatttgat gttatcagcg agactagcag 60
gatttgtgtgt tttgtaatcc gtgtctttcc aaagcagcca atggggacat cattatacat 120
ttagtacatt acccactttt aatttttaa atgggtccaga tgtggataag aacaactaaa 180
ctaagtcatt taatgtattg cttttattta atgtatttaa attattagtt attgatttga 240
gaaaaaatat tatactttac taacaaatth aatgtggata gcatagactg ccagttttaa 300
agttttttaca ttgtcaatga tcaattaaaa atattctttc gcatgacttt caaggtagtt 360
atcatcaaaa caacaaact tatcatatat atatatatat atatatatat ata 413

<210> 17574
<211> 381
<212> DNA
<213> Glycine max

<400> 17574

ttcttaaagt agtattttca gatctgtctt tctttttgct ctcttcttct tgcacacaat 60
gaggtgtaaa ctcatgtatg gaccatttgt cttcttgagt gttataactc actttgaatt 120
gcccaaagtg tgtagaaagt gagatcaaaa ctaaatacac gagcaggtct tcaccaagct 180
ctagcttaag tgctttcagt tttgatgcca agttagacat tttcattgtg tactccctta 240
tataactttc cccctctttt ttttaacaaa aaaataacat aaaaaaaca aaaactgcat 300
gcacaaaaac ttccctatat atattatgaa cattagccat gaagagaagt gattcacaaa 360
tccaaataac gattccaaaa a 381

<210> 17575
<211> 411
<212> DNA
<213> Glycine max

<400> 17575

tgagaaagtc cttttgattc agttttatact tttctgactt tatggcatga gatgaaattc 60
aaagattgga cctcttgcta gttgttatta atgaatagct taaacacttg tgcttgagtg 120
aaacagtagc cgtgagactg tggtttaagc taattttctt gatatctgtc ttatgattag 180
ctccatctaa ttgttcaaat tacattttat tcttctcttt ggataactgc ataccttggt 240
aaaggcaagt gatgagggca ttttactcca ttctcttacc atgcaatcag taacttttgt 300
agcatacacc tttgtacata gtcactgcat gttgttgta cttgaggaca agtgaattgt 360
tctctttttg cttgaggaca agcaaactg taaatattgg ggagttgtta g 411

<210> 17576

<211> 377

<212> DNA

<213> Glycine max

<400> 17576

ttcttttctt ctagctgttc tgataagggt tccaaacgtt agagaaggag aagagattga 60
agccttcatt ctactgctg catgcaatga atatttctcc ctaacaagat caattttcaa 120
atcgcaacgg tgaaaatatg cagaaatgaa tttcgaaacca ggtgtcccaa tttcacaatg 180
atccaacggt taatgagtct gggattatag ttttactagg acagggtttg ggtctctgca 240
ggaaaagaaa aagttaagat gagaagggaa tttctctcac ctccaactct gattcgcaat 300
ttccatcggt gagaatactt gaatatgagc tgcaaacttg gtgctcaaat ttcacaacaa 360
tccaacgatt aacgagt 377

<210> 17577

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17577

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gctgatatga aaacacttcc aagtacaaaa ttgattgatt tataaagaaa gaattaacac 120
atgtactata atttccatac attcatgcta cctcgagtca tgtttttttc tataaccact 180
tgaaataaat tgtaactttt ctttttaaat atcaaagtct tcaattaagt agttttccaa 240

ataaagcaga agttatgtaa aagtatcata ttaatgtcct acgttgggtct gaacttatgt 300
 acaaattaat tttttacaca ctcaaataat gcacaatcaa cacaaaatca ccattgaccc 360
 atacgaatng caaatctata atgactntac ggattcataa tatgtatca 409

<210> 17578
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17578

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 ataggttgga cctcccaaga gagtatggag tcagcaccac ttttaatat tctgatttaa 120
 ttccttttgc aggtggagct gatatagagg aggaggaacc aacagatttg aggtcaaadc 180
 ctcttcaagg gggaggggat gatgcaatcc tccctaggaa aggaccagtt accagagcca 240
 tgagcaagag gctccaagag gattgggtta gagttgataa agaaggcctt anggttctca 300
 tgaaccttan ggtagatttt tgagcccatg ggccaagatt gngtccactc ttctttgtaa 360
 atagtagaat 370

<210> 17579
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17579

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 tagggctaag gccaacttat atagctttta aaaccggaaa gggttacctt attctcgggtg 120
 ccgaaatgcc aaggccgtcc tccacttacc aatttcccaa cttgaaatca agaaggcatg 180
 ggcgtaccaa atcccatgta ctcggaacat catcttcgta tatcgcgacc acttgacctt 240
 cgtctcccag acccgcgctt ataaagcttc tacttatgtg gcagggcggg cttccttcac 300
 ttccttgtct caaacgagag ctttgaccac cgctcttctt tcccgcgatg cttctcttta 360
 tatctgcctg agtgggctta tagcctaaag catacttccc acgatttctt ttggcattta 420
 tcaagctagt tatgccggcc ntggcttttg ctan 454

<210> 17580
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17580

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 tttgcgacaa cgtgggtccat acatctcacc gacacatgta gagccttggt gtgtcctctc 120
 cctcaacgg gaatctcttc ttccgcaaac gcgatataat tgttggtggt tatatgatta 180
 acgatgcctt caaaaccctc cactgagata tcatgtgcta catgggcata gtttaaggacc 240
 ttcatcaaca acgcacgatg aggctcggag tttatgagta gttcaagcaa agagatcctt 300
 gctggagtct tattcagttg ctcaactacc ttanactcgc tttgttggtat gaggcggagg 360
 aactcatggg cctct 375

<210> 17581
 <211> 409
 <212> DNA
 <213> Glycine max

 <400> 17581

tagtttaaca taaggatcag aagttcccag caaattcatg tttaaaagct tttgtgcacg 60
 aacctcattc gcatgttata tcttcacaag cttctttatt gccaccctat aaaagatgtg 120
 aacaaagcat cagacatctt catagagcaa acattgttat tttaaactta aactttgtca 180
 attcatagta aatttttaac aatagtgaag ttatgtttta aataataata tagttctagt 240
 aagatatggg tgtttgctg tgtcggtaag tgtaccgatt cgcacaagta gtataaaacg 300
 gtaagaccga ctatcgtatc ttcagagaat ttgtttcacc tagaccatgt acattcgata 360
 tgcaagcact tatacggatt aaaataaggc aaatagttag ttctgtact 409

<210> 17582
 <211> 356
 <212> DNA
 <213> Glycine max

 <400> 17582

agcttgagtg agcgaaagag agagaggcac aggcttggtg ctctgtgtgt gaagtgtgtg 60
 taagctctac atgtgagcga atatgttgag gatttgatgg aacctgctat ttataggagt 120
 ggagcgtagc tgtgggtccc tgttttagg ggttggtata gtctttgcag ataattaccg 180
 acttatagat aatacccgag agcttgtaga taatgttaga gataaattgt agcttataga 240
 taaaagctag aagataattg tacctttag atagtgtgtg gctttataga taattaacta 300
 cctaccaata gataaagata ttcaaatatt aatatgttag agataacctt gtagtt 356

<210> 17583
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 17583

taatcatgct aaaagatcaa gaaactaggg gatttttgtt cttttttttt acatcatatg 60
 gtgaaactaa aaagatacta ggagatgcta aagaccaata aaaataaaaa ataaaaaaca 120
 aaaaacaatt caacaaagca agattcatga ttgatgaatg aaacttatat actcaattgt 180
 tggatattat aacatacaat atatcctaca aaatttgtaa tatcttaggt taaaagtaat 240
 tatggagatg caagtcaaga gttttaggg gacgactacc atcttggcaa gatacaatct 300
 cagagataaa ttcaaataaa agatgggtgc tgaaatcaat ggaatgtaaa gtaagattat 360
 agaagaattt cataaatcct tccattgttt tgacaagacg catctctaag aaattttt 418

<210> 17584
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 17584

tgctttaga aaatactctt aaccagagca tccaactgtt aaaagcaa atttcacagag 60
 agagtttcaa taaaatctta tgcattccaa gataagatag aagcaactaa aaataaaca 120
 gttataatag aaattagagt aaaaacacaa tgtttatact agttcactca acttgagcta 180
 catctagttc tcctttatga caccatcaag tgttccacta atcaaattga ttacaaatga 240
 gtttttactt tgccactctt gggtacaaca agtattttct atgccacttc tagcttacc 300
 ttaatctctt cccgagatta agaacacca agtattcttt gatcactaag gaacttctga 360

ctttt

365

<210> 17585
<211> 416
<212> DNA
<213> Glycine max

<400> 17585

ttgagccaaa atcctgactc accataaacc ttgttccatg gtgagaatgt caatccttac 60
cctcggaagc aaaaaagaaa agaaggaaaa tttccaatca aagagaaagc aaaaagaaaa 120
gaagggaat tcccaatcaa agaatgggag aaaaaagaaa aaaaaaagaa gaagaagaag 180
gaaagaaagc tcctgatcaa ggatcgaaag aaaacataag aaatgtgcag agaggtcttt 240
ggaccagacg atatctgaac aatacagaat tgtcaccaaa tgaacaaaag atagaaaagg 300
aaaccatgac ctaaaagtgg tcttctccct ttcattatca accaaaatcc tgtgcgctag 360
cgactttttc gccccgcact atacaaaaat agaaaaggaa aaagccaacc aaaaat 416

<210> 17586
<211> 367
<212> DNA
<213> Glycine max

<400> 17586

ttctttacta tatccaagca attcaattgc caaacatcat gaactaccct aaaccaacaa 60
aacagggcag aggcagaaaa ctctgcccaa aacacattca catattatca actttcctta 120
ctcaaatacc ccagtaacat tctcttcatt ccgatttggt aaccgttgga tcgacttgaa 180
acttttactg gatgttccta gtacataaat atacattttg accgttgga tctgctagaa 240
aatgtccaga acccaatatg tactaccttt ccataacca acaatacaca tgcattttct 300
gcacatgaac aaaaattctg ctatacaaat ttgacagcaa ttttcagcat aatagggcag 360
atttcga 367

<210> 17587
<211> 390
<212> DNA
<213> Glycine max

<400> 17587

tggttattca caaagtgttt gtcctaaaga atttaattac atgaaatgaa tggcatacga 360
 ttcttcaatc atagctactc acaagacatg cagcttttca 400

<210> 17590
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17590

ttcttttatt ttgataaga agcttgntgc ataattgaat ctttattgaa atcactgctc 60
 ttaaactttc taatTTTTct tctttccgc tatcactgat ggattttcct gtgattattg 120
 tgtagattat gataatatgt tttttcaaat gtattttgtt atttggcatc aatttgtgga 180
 aaaattaggg cctgattgca tactaaatac tctgataata attctctcca gtctctagtc 240
 tctacaactt gctttgtctt ttgaaatgat tcttgtgatt ggagggttat atggagtggg 300
 ggcacatgat gaaatgct 318

<210> 17591
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17591

tgcattgagat gcagggtatt ttctcacaaa tattattcat tactccaagg ttttccatag 60
 ttatgacttt ggcaagtatt atttgggtact ccaagggtgtt tttaccaag caatatacac 120
 acacaactta ccttgcaaga ataacctatg agcaactgaa gttataaaaa tagcatgagc 180
 tctctgcaa tttgcacact gaagaaattg gtcaagggtt tttgagtgat cccattata 240
 attataataa attgcctgca ccgccataac aaaatcattc aaacaacaat aagagtcatt 300
 taaagaataa tacaatactt tgcaacnatt ccagcattag caagcccatt aatcagtaaa 360
 gaacaccatg acaacaattt aattcagttt agtcataaat tgatcata 408

<210> 17592
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17592

ttcttttttt tccactcat acaatagcgt ccggaccatt cataccaccc taaccccaaa 60
aaccaacaaa aaccacatca aaatcatgat aatgaaaatg gaagatgata ggggaaatat 120
aagagtttct taccactaaa ctagccctcc aactcaaata tagttttgct acatgggtccc 180
ttgagcaaag gaattcaagg tctcaatctc tctcgtgaaa cgttgtcatt gagaggaaga 240
atatcgtaca atgaaagggt tcaccatcat cttattatg tcaaattaat taaaatcact 300
taatctgaca ttatgaaaaa tagagtgtta catgaaaata tatttaaatt taaaattcca 360
agatcacatt ttgactgtta aaa 383

<210> 17593

<211> 337

<212> DNA

<213> Glycine max

<400> 17593

gtgtgatctt ttttgtgagt gaacgactag ctgtgagtaa tgatctttgc atgaatctct 60
aaattttaga acgatatgta taatgaggac atgatgaagg ccatgattgc acatacacia 120
gctcttttga ccatataact taccttcaat aatacttgca tcttttgctc ccttacatca 180
gcacacacia caaataagtt gtatgttaaa ataaaatata aagaaagaat agaataagtg 240
tgttgtttca ataagggtcaa aagcaacttg agaaaaaaaa tattgagaag gctacgtgta 300
taatacaaga taagaccatt cggataagtc aaggatt 337

<210> 17594

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17594

ttctngttca taacagaatc tatacattgc agtcactca attcatacaa tttctcattc 60
aatcaatca caacacttca tttcatacaa aacaaaccac tgaatatcat attcaatcaa 120
ttcactgctc aaacatgctt ttgtacaagc tactactact aacaaaatac tgaaatttaa 180
agactgaaaa ttaaataatt gaaacataat gcataaaaata aataaactaa taaaaataaa 240

ttgctcataa cgcaaaaaga taaagatcct gtcaatcctc ttgtggttga tcctttgcat 300
gctcattaag atccaacact ggagcaactt gtggatcctg tgagatgggc tactcttgc 360
ccaatgctgg tgcatatggc tg 382

<210> 17595
<211> 411
<212> DNA
<213> Glycine max

<400> 17595

tccttttagt gcgtcatgtc taaaaccaag ttcattggtg gtacgagcct ttgaccgtag 60
tgggcgggaa gtgatggggg aaatccacat cccattcag ataggccctt acattgcaa 120
tgtggttttt caagtgatgg acataaatcc cgctacagt tgcctcttgg ggagaccttg 180
gattcatgca ctgggagtgg tccctttgac gcttcaccag aaattgaagt tcgcggtatg 240
tggacttttg gtgatagtgt cacgcgaaga ggatatgttg gtgagctgcc ctcctccgc 300
accatatgta gaagcaccaa aagaatcatt ggaaacagct ttccaatcct tcgaggtggt 360
gagttgtgcc tctgtggaaa cgagcccggt gctaccttct ctctctaata c 411

<210> 17596
<211> 335
<212> DNA
<213> Glycine max

<400> 17596

tctttcttct gcaagccctg ttctatatgc tagattgaat agtggggagc ttgctcttcg 60
acttgggtgct gatcatcctg ctggagatat gacattgttg gaaactggcg aacctgtgta 120
ttctccaatc actcaggttt gataaatatt ttttttctg tataatcact atttaaaaat 180
actcttgtac ttgagaactt tgggactgtt tcatgtatga aggaccttg ctacagaaa 240
atctaatacat ggaaacagag gagtctgtgc tgcggacagg gaggtctgta tgctaactga 300
gattcatcca tgacacaatc tgttatctta aatct 335

<210> 17597
<211> 391
<212> DNA
<213> Glycine max

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| | |
|-------|-------------|
| <210> | 17598 |
| <211> | 357 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ttcttgtaga | actcccaaaa | gtaagatcta | ctcttgagac | aaagtgggtg | ttcaaaagct | 60 |
| agacaaaata | ggtaagggtt | tgaggaacaa | tgctagactt | gtgaccaaag | gttactcaca | 120 |
| ataggaaggt | atacattata | ttgaaacttt | tgctcctgtt | gctcatctag | aggcaatatg | 180 |
| cattatacta | tcctttgttg | ctcatcatgg | tatgatgtgg | tatcaaatag | acgtaaaaag | 240 |
| cactttcttc | aatggactta | tcaagaagtt | tatgtggaac | aacccccctg | gtttgagagt | 300 |
| tctatctacc | ctcatcatgt | tttcaaaatt | aataaagctt | tgtatgtgtt | aaagcaa | 357 |

| | |
|-------|-------------|
| <210> | 17599 |
| <211> | 390 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | |
|-------------|------------|------------|------------|--------------|------------|-----|
| tncacagcat | gtactcaatt | attcttatta | attattattt | tgaaataaac | taaaaagtta | 60 |
| ccgggggggtc | aagatatgta | ataataatag | ttttttgtta | tacatgccta | tgcttctaga | 120 |
| tgttgaatat | ttaatggcta | atcacttgag | tgttgagtgt | gttcacttgg | aggcatgtgg | 180 |
| tggtaccgt | gatgtgtcat | ctgtcagtac | ttgagcccac | atgtactgat | attaatagga | 240 |
| gggatttcat | ggaatcttga | aaaacaaaat | tcctcatttt | ttaatatattgt | cgtactaatt | 300 |

aaattctgac tcaaaataca agtatctaaa attaactctt ttttatgata actatcttgg 360
acagtgaaaa atatgataac ctaaccgttt 390

<210> 17600
<211> 375
<212> DNA
<213> Glycine max

<400> 17600

tcaatcttat catgtctagt tttcaatgat ggtcatcaaa atgacatata atttccatat 60
cattcccagt ttacaaaata gatagtaaag gtcaaaacag aacatctagc aaaaggggtca 120
ttatgtagga attatttcaa attcatttct cactcaaatt gaacgtattt aaatggattc 180
atatgcctca aatataattt cataatataa ttttactttt agcatgcaaa gtctcagaca 240
ttcctagcat tcaatttcat gagacatgtc acaaccgaga ttttcacaaa caccttgtgt 300
gcatgatttt taatatcaaa caacaaatca atcatcacac acacacacac acacacacac 360
acacacatac acaca 375

<210> 17601
<211> 400
<212> DNA
<213> Glycine max

<400> 17601

aactcagctt accctatatg gttaaaaggt gctattgtta gcctatctct atgttcccaa 60
cctagaagtg atattctcca aaaagctata aacttcggct gagtgctctt gatggaggtg 120
aagcataaca tccatcttct gaatcataaa agactcaaaa agactccatt gaggtgcaaa 180
ctcatgttga gcttcagctt caacatcttc ttccatcttt ttagtggttc tagcaacagg 240
ctctctaggc tcatcttgat aatcaggtat caagatgcta taacataagg aaactcataa 300
tccaccagac ggtgacactt caacataatg ctacaatcga aaatacccaa ttcattctga 360
tacctgattt caaaccataa acaatctaca tatcatcatc 400

<210> 17602
<211> 337
<212> DNA
<213> Glycine max

<400> 17602

agtatagctt atagatcaac ctttgtcatt ttattccata gatcaacett tttcatttta 60

ttccaactct attacttgcc ttccgcact tagcttttct ttttcttaaa tagcaacaca 120

cacactttta tattatactt atagtttttt tttaaatact tgttgcttat tagatgactg 180

tgtgtagctc ttttcttacc attacaagct ttgaccccat aattaccccc aatttgggca 240

aatttgcttt gaacaaaaat tccttttatg aatgatgctt tcttacaacc taagacaaag 300

gtaaaggata taaactatac agaacttatg ttcaatc 337

<210> 17603

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17603

tattacacca aattcaataa gatattcata tatttatagt taccctaaaa ttagtgtgca 60

caataattac atgtcatttn taacagatca agcattgact aaatgactta ctttaactgg 120

agtcatttta gcagtttctt tggacttaca tccttgatta ttgttcaatc ccttcaaagc 180

attgggttaag agaaacatgc atgcatattg tacaattaan atattgatgt caaatactaa 240

tgataaagta aatgtctaac aaattacaac taacatgtta ataattcctt tcaagtagtt 300

ggtgggctta ttgtgcaagg aaccatacca gacgacaaga ttgtccttat gacatataat 360

gacaaactgc caatgttcac tgcattggag agcattaagt tattatat 408

<210> 17604

<211> 325

<212> DNA

<213> Glycine max

<400> 17604

ttacaatata ctggccgtca gtttacaacg ttatgactgg gaaaacccta gcgggtactcc 60

aacataatac tccttgcaga cacataccct ctatcgacaa actggctgta atatgcgaat 120

aggccccgac aagatcgccc ttccaacag ttgcgcatcc tgaatgggtga atggagcctg 180

atgctgtatt acatccttac gcatgtgtgc gagatttcac actgaatatg gtgcactatc 240

agtacaatct gatctgagcc gcaagttaat ccacccttaa atccgcaacc ccgctgacgc 300
aactcttcgg tcagctgaat catca 325

<210> 17605
<211> 385
<212> DNA
<213> Glycine max

<400> 17605

agcttttgagt gaaaaacata ctagaagttg tcaactgcaa agagagactg acaacgagag 60
tgagacctag attgagagca agagttagac caagagtgc agtggtcgaca gtagtttttag 120
caccacaaga gtgatgagag tgagagtgag agtgatagtg agaaaggggt cgagggagta 180
aggttgcaaa gtgaggggagc tcgaggggtgt agacaccaga tcaattttta taaaaagacc 240
caacaacatc aattttttaa ccaaaccaat gttatcaatg cattccaaaa catcaatttt 300
acgaaaactg atgttgcgaa caaaaactca acattgggtt ttagaaaacc gacgttaaca 360
ttatactagc aacatcgatt ttcgt 385

<210> 17606
<211> 412
<212> DNA
<213> Glycine max

<400> 17606

tattaagagg aatggctaata cagatcacag acattgaagt tgacctatgt gttgatatcc 60
ttaaatggca aaaaagaaga gctgttttag tctgggtgaag aggtcttata tgggacaaac 120
attccacaca agataagggtg agtctttaac tcttgagcct tttcaaatta agtctttaac 180
ttggattttg tttcttatga gacaattttt ttttattcaa aaggagaaaa gaatgaaatg 240
gatatttgca aggctaaaga gcaagagatt tccttcaatt aaatatcccc taccctcaaa 300
aggaacaaca ctaagtgagg cagagcaaga acagagcaag catgctttaa cagtgggtcat 360
tgcctcagca gcagttgctg aagctgctgt tactgctgct catcgctca ct 412

<210> 17607
<211> 376
<212> DNA
<213> Glycine max

<400> 17607

atcttghtaat cgattacaca agtcttghtaa tchgattacca gaggggattt ttagaaaata 60

atttccaaga gtcacatcta ttcaaagtgt ttatgaatgg ccatcaaaag tgacttggaa 120

acacgaattt aaagagaggtt ttcattgccc aaacagtttt atgctctcaa aagattaaga 180

gtttttctga actgaaatgt cttatcctct caaaaagatt ccttgggtcaa ccacttgcac 240

attcaataag gaattttgat tgatcttcat tgtacaatct atctctttta agagagattt 300

cttcttctct tcttcttatt tctgacacaa gatttaagag accgtgggtc tcttgttgta 360

gagaattctt gaacac 376

<210> 17608

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17608

tgcccgttag aaagccaccg ctcatgcaca gagaatggta ggggcaaatt gggaccgact 60

cttagcaaac aaagaaggag tgtctgtcaa ctggttccct tgatggaaag aaggaagaac 120

cgggggttctt atttcgtgcg gaggatttct gaatgttccc ttgatgggga caaggggttg 180

catcagttac aatcccgttc ttgtataag gcaacttggc taccatga gaggggcacc 240

actagaggaa gagctcgcg ctgtcatttc acaaggttta aataagacca acatggagac 300

acttcagaag ttctgcaagg tatgagaggt ggtgcaaaag aaggacaaag aactcaaggg 360

cagtaacaat atgcccacg gtggctaccg taagtggtna aaagcccaca tg 412

<210> 17609

<211> 364

<212> DNA

<213> Glycine max

<400> 17609

ttctttcatt gttcaattcc cagcgtcacg atatattatg cccctgaatc ggacctccga 60

gtgaaaagat atgaccattt gaattgctca agagcttcca ttgatcaatt tchgacgtct 120

cgatatatta tgcgccataa tccgacctgc gagtaagaat ttatgacctt ttgaattgct 180

cgagagcatt cgttgatcaa tttcaagcgt ctagatatat tatgtgcctg aatcggacct 240

ccgagtggga acgtatgacc atttgaattt ctcgagagct tccattactt agtctctagc 300
 atctcgatgt attatgtgct ctaatcggac tttcgagtga aacgttttga cgcattcgaa 360
 tttc 364

<210> 17610
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 17610

tctagagaga gctacatgaa gctgtctcgg taatttcgct gcccagcctt catcaattgt 60
 gggatcttct cgaaattcgg ctttaaactt cacaagacac ttgtcaatca tctgatcatt 120
 gggatctttg agaagatgtc tggagtgtgc tagaagcctc ttaatgaagc ttctagagaa 180
 aactacatga agctgcctcg gtataaacgc tgcccagcct tcgttaaccg ttggatcttc 240
 tcgaaatttg gtttgcaact tcacaagaca ctttaccatg atttaaccgt tggatcttt 300
 gacacaatat ctggagtgtg ctagaagcct ccgtaccga gagcatctct tatttaagca 360
 tgtcagcctt tg 372

<210> 17611
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 17611

atcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60
 aatttttcta gagcttccgc tgctcaattt cgagcgtctc gatataattat actcctgaat 120
 cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
 cttgagcgtc tcgatataatt atgcgcctga gtcggacctc cgagtggcga gttatgaaca 240
 tttgaatctc tcgagagcct ccgttgctca ttttcgaccg tcttcatata ttataactcct 300
 gaatcggacc tccattgaaa agtttgacca tttgaattct ccagagcttc 350

<210> 17612
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 17612

taaagtatgc ccgagtcatt catccctatg agatgttggt gaagtattgg cgatcagaat 60

tgccattcct tggattataa ggttgaacca agctcatgct tttaaaaaa gggtcatcaa 120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc 180

acatcactgc ttcacttact gccaaacata tttaggattg ttgatgtcct tgttacttcc 240

agattcactt tgacaaagat gtcattggacc atgttgaaaa tctaaactga ttcaacccca 300

tatcctgtgt aaaaattcgc aatacttcaa ctgtacacca ttgcataca tccatgcttt 360

tattggttgc atagtcattg cattc 385

<210> 17613

<211> 290

<212> DNA

<213> Glycine max

<400> 17613

gtgctgatgc tgtctcgccc ctagtagaac gctcacaatc acgcagatct tttttttttt 60

atacaagggg gagggatttt tcaccacctc tatcagttgg ataggtaata gatcatatag 120

caattgaagc cggtagaaat aactgtcgaa agagaccgga tagaagacca cgacaaccta 180

ccggcgggtga accctacggg aagatggatc ctttccaaca acctatgtga tggaattaga 240

aaagaggaga aaactgtggg gttacggtaa aggcaacacc cttgaccctc 290

<210> 17614

<211> 302

<212> DNA

<213> Glycine max

<400> 17614

tattctgtaa aagccggcga aacactggaa cggaacgaca gagatcgaca gagaggctga 60

gagcgatagc gaaagattga ggaacagagc tatcgacctt gcacacgaga aagtgcacctg 120

ctagatcgcc acaaaagaga caatcccgag gcacataaac aagagaggca gggaatacta 180

ctctcaaaca gcggagctaa ttgtgtggac atgcaccaat acacacccca tagacatgct 240

attgctcatt caacagccca cgcaatcagt gcctaacaag cagcaaattt actgaaacgg 300

ac 302

<210> 17615
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17615

cttccccgtg ttaccgtctt tgagatatat ttagttagcg gtcaaccaca ttgcaattat 60
 aagcgtatTT ttggaagaag aaaaaatgTT tttctaaata aaaatattat ctctcataca 120
 cgagtgataa ataacacaag ttcttgTtcc cctttttatt tatattgcgt gactgcgact 180
 tagccgcaca tgcaacagat aaggaagagc aacgtcgtgc cttctctttt caatactgct 240
 tggattcaga aaacacttag agtgcaaata cttcctgtgt tggagggagt ggaggtttca 300
 cctgattagc agtgtaggtt cggagaaaca gccagaaatg aaacacagtg aatggaaata 360
 tgacaaagaa aaata 375

<210> 17616
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 17616

ttcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
 gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcatgaa 120
 tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta 180
 gttccgcccc ggagtacgac agtcaccgct ttatgagcgt tgtacaccag cagcgcttcg 240
 aagccatcaa gggatggctg tttctccggg agcgacgct tcagcttatg gacgacgagt 300
 atactgattt cccgaggaaa tatggcgccg gctgtgggca ccacttgta ctcccatggc 360
 caagtttgat 370

<210> 17617
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17617

tgtcggccgc gattgacgaa gggcgagaa gactatgttt gtctctgcat gctatcaggc 60
 ttttcgtctt acagacagca aaaaagaatg tttatacgga taaccactcg gggttttccg 120
 cccgtcagcg tgactcaa at gtcagtatga caaatcttgt gagcgcgga gatgacgtaa 180
 atctccgcgt gtcaaagggc ttgtcggccg cgattgacga aggacgtaga agacgtcggt 240
 agtctctgcg tgctatcagg ctttacgtct tactgacacc aaaaaagaat gtttatacgg 300
 ataaccactc ggggtatttcc gcccgtagc gtgactcaaa tgtcagtatg acagatcttg 360
 tgagcgcgga ntatgacgta aatctctgcg tgtcaacggg c 401

<210> 17618
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17618
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 gccttgctat aagttacca gcctgcaaaa ggtgatacaa ttttattatc tttttcaatt 180
 tcaacaattg tacttactat gtggaataga atgctatata cctgcattgc ttgaccttca 240
 gacatthtga aatgaataat ccataaaca tgcgaaagaa gaggcattgc catthtcatg 300
 acctcaactt catcatagcg tgtgtcatca tcaacatgac tgtcatctgc aaccaaatat 360
 ttcataagct tgcatt 375

<210> 17619
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17619

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 gtaaattcag tttgaaaact ttttcaaact catthtgcct ctggtaatcg attacaacaa 180
 tctggtaatc gattaccaga gagtaaaaat tctttggtaa aggggtttttt caaaaactca 240
 tgtgctattc aaagttttga aaaacttttt aatacttattc ttgatagagt cttctcttta 300

ttctagaatc ttgatcttga tttttgagac tctgaacctt gaatcttgat acttgtctct 360
agactttctt cttgagtc 378

ctgaagctca cagcaccct actcagaaac cccgctatag acaatgggca ggaacatgtc 420
aaccaaaaga ctgagtgggg gcacgccta ggagacagct catcg 465

<210> 17622
<211> 376
<212> DNA
<213> Glycine max

<400> 17622
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tttctaactc gaatattata ttttatgttc ttatccactc tttttactat gttattttct 180
ttagtcctat tgtaacaat tttttttgag ataagaagga aagaaaatca ggcttattca 240
attggaagtt gctgaaaaga agtacttccc acttagttca taatttaatt tttgttgcta 300
aaaaggaatt ggaccaatct gtgtgcatat gtatttatct atatacactt ttaatgctat 360
atgtaacgag gaattc 376

<210> 17623
<211> 380
<212> DNA
<213> Glycine max

<400> 17623
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atgtttcaag acgatctttg gcgacaaaaa acgtgtatta atatgcattg ttattgtgat 120
tgaaggacgg agtttatcca taatcttaca aaagattgat gtgctcctca tcaaattgga 180
tacttggtgc ataaaggcca aagatatgac aagcatgagg acattgaatc catcatgact 240
aatttttttt tctagaattt atgcttatga gaataattgt tgtgagaata atcttattca 300
tgatcatatc atgactagaa aaccggtttc ctacatcggt cgaaatggga ttctacatag 360
atgctcaacc gtttttattg 380

<210> 17624
<211> 290
<212> DNA
<213> Glycine max

<400> 17624

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tgccacctc caactgagct cacgtactcc cacgtagccc atattctcgg ttatctcatc 180
accgggtaca catcaatcct ctcaagcttc cccaacatcc aagtaaaaca ccattccaac 240
cgacaaaact atcacagaca tgacaacaga gcacatgcag ataactctgc 290

<210> 17625

<211> 407

<212> DNA

<213> Glycine max

<400> 17625

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aatcctttaa aaccttattg atacattctg agagggtcgt tgtcatgttt tcgtatcgac 180
gtccttctct atcgtaagcc atcgccatt tttcctttga gatgcgatca atccatgttg 240
ctatggctgg actcagatca cgaaatTTTT ctaaattttg atcaaaaatg tgcttgcatg 300
gagtgtacgc tgcataaaat tagttatgaa taacaatttt aagtataaat gataagtaaa 360
ataaacgtga ccatcatata tgaaatctta cccaatttct tcaacat 407

<210> 17626

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17626

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taacatacat acctcatctt cacnaacnac aacattacaa ttgaaacttg gatgtatagc 180
gacgatatgc tactagtgtg gtacgtgagc atcaaatgta gtctcgcgct ctctaactct 240
gagatgacga gtcatgacgt accgatcata tgtcgtgcgg acacgctacg cataacccccg 300

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<223>      unsure at all n locations
<400>      17627
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| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|-----|
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| aacaatatcc | caacaaaggy | gacacgaacc | acccgcacag | accgccc aaa | aagcgaaacc | 120 |
| aagaaacgac | caacc caaac | cagacgaaag | aagagcaaca | aaaac caaaa | acgagaccgg | 180 |
| aaaggaagcc | cacccgaaac | cagacccaaa | acgcaaaagc | acccaaccaa | gaaagacgcg | 240 |
| acccgccaca | ac | | | | | 252 |

| | |
|-------|-------------|
| <210> | 17628 |
| <211> | 377 |
| <212> | DNA |
| <213> | Glycine max |

| | |
|-------|-------|
| <400> | 17628 |
|-------|-------|

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|-----|
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| aaataacttat | aacactacaa | aataaccata | aattgggaga | gtttgataca | at ttatacaa | 120 |
| gttgatataca | caaaagttag | tcgttttcac | caactaacat | ctgggcatgc | ggtacttctc | 180 |
| aatgaaggcc | ctgttaatag | ggggccaaat | gagctttgtg | ggtgagactg | ataccttgta | 240 |
| aaactggcag | aggcctgtga | tcaacgctgg | aaatcctagt | gccctgttga | acttctctgg | 300 |
| gtccactggg | tgtcttgagg | gtgcaatacc | tacaaactgg | tagatgacat | tcgagataag | 360 |
| ctatgctaca | tgaacac | | | | | 377 |

| | |
|-------|-------------|
| <210> | 17629 |
| <211> | 410 |
| <212> | DNA |
| <213> | Glycine max |

<400> 17629

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 gtctcttttc gaaagatgcg acaactcatg caaccttata ctatcctttt ttgcaaactct 180
 cctggggggag ttgcctcaga gtgtatgttc tgtttgactt aattgacaaa tcttagagtg 240
 atgacaatgg agccattcgg tatttaaaca atcaattgaa accctagggg ttgtctcccc 300
 ccttttttgt ttaaaggcat tgattattct gcacaacaag agaaatataa ggctttatga 360
 ccaatcgcat gcaccattga atgatggcaa tggattgtta cacttttgta 410

<210> 17630
 <211> 773
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17630

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 caaanacgcn nnnnaaaaaa nnnnanaaag gaganntnna tcgatcgcn tcgcatagcc 120
 ccnnnnnnnn nnnatnnnn nnnnacnnnn ngagannaca cagacaaca ngaaaaaaca 180
 cgncagcgga agaccaaacg acgatataca caccgattat cagcagacac accacnacac 240
 acnnggcggn gngcaagggg gagagataga cataacaaca cacaccacat cccaccncac 300
 anaccaccac ctcaagaaaa aattcgacac acacacgagc aaccacaacc acgaacagtt 360
 cccatgcaaa caaccaccac acacacagtc gacaagatga anaaccaaac gatgatcgac 420
 cgncaccaca ccaacaacat aacacaatc acacaccatn gacacacatc aacacacacg 480
 acaaganaca catagtcagc acaacaccac aaccaacaag atgacactga ccacagagca 540
 gaagacaaga cacaacgcga cacacgtcca cccacacgac gaccagaatg ccgaagcaca 600
 caacacgcgn ggcgcctcat aacacacacg gacaacacaa ccacgctaga gacaacatag 660
 agacaccgca gacacacaaa cgcgagacaa caccagcacc agcagaacct aacaagccac 720
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<210> 17631
 <211> 455
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17631

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ccccacaaaa cagggggggc gggaacacac caccacacacc acaaccacaa agcaagcaaa 180

aaagaatagc accaccaca acaccaccag gccacaacaa acaccacgaa gaaccagaac 240

aaccacccgc ccgaagccac aacaacccgc cccacaagaa cacagcaaca acgagcacia 300

aaacgaaaaa acacgcacaa aacacggaca agacacaaca gcacgaccaa gaaaaacacg 360

ccaaagcgcc acccaaacc acagcgaaac acaaacaccg aaccgaaaaa caacatcaac 420

cccaacgaaa agaccacaca acggacgaaa caaag 455

<210> 17632

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17632

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actatgtgaa atttatttat tttttagtaga gcacccgcgg gggggtgggg tttttttata 120

ctgattcccc cctccaacca atagaagggg gaaacagcga agaggactgc ccggggtgca 180

caatctggac gcaagttggg tggggagcga ggagttgtag ggcactttta gcgtgagagg 240

agtaagcatc aggcgaggcg cgccgacgtg caggcatgag atatggaggg gtttaggtga 300

gcattatggt accactgcac aaatatctga ggagagggtg gctgactcag gagtatcctg 360

gcgggtgtgca gtaagcccga gcccaaaccg gctgagaccc ttgttccgcc gcggctct 418

<210> 17633

<211> 515

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17633

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ggcaagaagg agaacgaagt tatttttaaaa ggaaacaaaa gaggaggggg caacgataaa 180
aaaatagagg aacaaaagaa gaaaacgaaa agggaagata aaataaaaga acgggagaag 240
agagaaagga agagagaaaag gacaaaaaaa aaagaagaga aaagagagag agaagagagg 300
aaaaggagaa ggagagaata gaaagaaaaa gagaaaggca aaaaaagaaa cagagaaaaa 360
gaaaaagacg aaaaaagaag caggagggaa agggggggaga taaacgaagg gaagaaaggg 420
ggagaacaaa gaagagagga gacggaagaa aggggggaaaa aaaagaaaga gaaaaaaggg 480
acaaaagaaa gcagagggag aagaaagaac gagan 515

<210> 17634
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17634

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ttattattat tgccggaaaa aaaggggggg aggaagtaca caacacaaaa aacccaaga 180
cagcgacaag aacgagaaaa gagcgaagcc aacaggccgg aaagcacgca agaactgaag 240
gacgaaacca agcaaacgc ccgagaaaaac ggccacaaac gacaaaccta aacgggaaac 300
acacggcaac aaaggcgacg cagagaccaa caaaaagcag aagagggaca cacacaaagg 360
agcgagcact gagaaaggct cgaccaagac aaaaaaatga gcgaaacagc cccaaaagga 420
cccaagcaac ggaagccacg caccaccaa g 451

<210> 17635
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 17635

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anaacaacca aaccaattt tgggcaaac ccgggggggac caaaaacacc acaccgcaa 120

603404304.4246

gggaaaccgg gaaaacgcgc acggcgcagc gggaaagggc aacccccaaa ggaaccgcca 180
caacggcaag ggcaacacga agagagggaa ggaaacagcc gcacgcgacc aggccaaaca 240
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<210> 17636
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17636

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cgcancanaa naacaacagg acgaaaagga caaacgacaa aattgtagca acagcagagc 120
ggggaggaaa gagaaccgcg caccgacagac ataagagaac gaacacgcga gcaacggaca 180
aagcggagag gaggggagaa caaggcagac aaagcagaaa aaggaaagaa aacaagaaag 240
acggaaacga aagaagaaaa aacgagacac gaaacaacaa cgaacagaaa caacagcaaa 300
gcgagaaaaa gagaagaaca agaaacacga caacgaagca ccgccgggca aaaagaagag 360
ccgacgacag acac 374

<210> 17637
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17637

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agacacantn ntaatacnac gaccnacaaa acaaaccaaa aaaaatttaa acacaaaaaa 120
caagggggga gaaaaagcga acacccccaa cccagacaaa ccacagcaca aaagaaaaag 180
cagacgacaa ccacaaacac aaaaaccgaa aaacaacaca cagagcaaac caaaaaccaa 240
caagaacaga acaagccaag aacaaaaaca aagaacaaa aaacaggaag aaaccacaaa 300
aacaaaacac accacaaaca cagcaaacac aaaaagagcg cgaaaacaaa caaagacaaa 360
acaacaagca aaaccaccaa cacaaaaacc caaaaacc 398

<210> 17638
 <211> 59
 <212> DNA
 <213> Glycine max

<400> 17638

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<210> 17639
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 17639

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 ctgccttaat tgcacagata gtaggggtga ttgtgatttc ttgttcttag taatgctaata 180
 actctatagt tggatgactc atatcaagtt atatttcata aggaatactc ttttgatcgt 240
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 atattattgt aaatttgacg gccttaattt gagccgatat attt 344

<210> 17640
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17640

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 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc cttcatactt gggaacatta ccttgttttc aaagaatttg 360
 tcattcatag agatcac 378

<210> 17641
 <211> 587

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 cctaaagaga ccaccggcac gcacgcattc actaaagaaa accacatgca tcagagagcg 180
 gggggaacca cagctggcac ccgaacacac aaaacacaag caccatggcc gcaaagaaga 240
 caagcgcgta atgcagcgac ctctgcgac acacactcac caccaagacg ccatggcacc 300
 ctaccgaagc cagcgaaccc gaggaagcaa aacagagcca gaccggaag acaaacggga 360
 gcgacacaag acacaacaag acacttgctc aaaccagacg cagcgagaaa tccaccacag 420
 acaaagacaa caagcgaaca ccggcaggaa cacataccag ccagaacac gagaaacacc 480
 caaatcgaga aacggcccaa acatacgcaa agacaacagc agcgactcac cgcaccacaa 540
 aaacgcgaag caccgcgacc aactactagca caccaggaa caaaacc 587

<210> 17642
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17642

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 accaattcta ttaaacacac caccaaaggg gggagagaga gacgaaaacc ccaccacac 180
 caacctaaaa gaggcaaaag cacacaccta caaggggaca aaaaaacca aacacaaaaa 240
 caggcaaaca ccaccaacag acgaagacaa caactacgaa cgcaggcaac aatcagacca 300
 cacaacaacc acaaagcacc gaccaaagc caaaaagaca ctacacaaca ccgaaacaga 360
 taaaacagca aactactaaa aaacaacaca ccacaacaaa ccgcactaaa cccgaacagc 420
 acacgcagca gaacacacaa caagacaaca aacaacaagag gacaagcaca cagggaacc 479

<210> 17643
 <211> 424

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17643

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 gccaccactc actggaatac cagaatgcc a ttgtaaactg aggcgagaca gtaaggaaat 180
 ccggaagcca tccaaatacg gccttatata cccaccacac taaacgaaaa ctatataggg 240
 tatcccacct atggcacgcg tgcaaaagaa ataccaaaga tcaatggcgc gaagaggata 300
 aagacgacga caaccaacca caagccaaaa ctaaaaccac agtcctggaa ggatgaaatg 360
 acagagccaa caggagaggt ccagaaagta aaactttaaa acacatctga gggcagcgac 420
 gtcc 424

<210> 17644
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17644

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 atattttttt tttttgacga acacgagggg gtgggggtttc tgtcccacct tactcagatg 120
 actagggaaa ctacgagaga cgttcgcgaa agattagccc aagtcgggcg atacggctca 180
 tggcctggcg catagtatgg acacatgttc ccagacggac aaacaattca ataaagagtg 240
 aacgcaacca tcgatagaaa accgtttaac gtactcttga gtaattgtaa gaggccagca 300
 tctaatacgc cgctgggttac agatatttgg cgaaagacgg catttagagg ccaatatgct 360
 gagagtactc ggcataaagc 380

<210> 17645
 <211> 294
 <212> DNA
 <213> Glycine max

 <400> 17645

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aacaaagcca caggagccta taaaccgacc ggaagggggg gaaaaaaccc aacacccacg 120
 cgcaaaaacc aaccacagca acccccacac cacagggcaa aaaaagaagg aaaggacaac 180
 cgacagcacc aacaaaccaa caaccgcgc acgcgccaac cagacagaaa acaaacaaca 240
 ccagaacaac aaaaaccaa aagcagagca aacaggcacc caaaaacaca acac 294

<210> 17646
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17646

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 aatggatcta gggatatgta tgtaaagact tgaatggaga tatgtgggat tgtaaacgga 180
 agtcatttgg gtgaatagat agacgaaagt tagaagtcgg attataaaat gatatgtatg 240
 agagaaatag ggtctactga tcgggatgga aatcaagacg acatcagata gacttgttgt 300
 cttgcactaa gtcgatgata aaagaaaagt atgagcgtgt gctgaacaca agtgagatag 360
 gggaatataa ccagtaagta cgggattgga caatgtgaat gctgctaadc ttagataact 420
 acttgatacc 430

<210> 17647
 <211> 231
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17647

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 aagaaaaacca aacacaaaac acacaaacaa aaacccaaaa aacccaaaaa cagaacaaaa 180
 ccaagagaac accagaacac aaaaacaccc aaaccgcaaa cacaacaaaa c 231

<210> 17648
 <211> 414

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17648

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 tgcacctaata agaacnccaa aaaaanacac aaacaatatt cttacacaaa caaagggggg 120
 gggagagaaa acagacaacg acacaaccaaa aaaccgaacc aaaccacaga gaaacaacca 180
 acaaacacca caaccagacc caccaaacaa acaccacccc acaacacaac acaaaacgaa 240
 caaaacaaac acacaaaaac aaccgcaaaa gacaaaaaca cacagcaaca ccagaccaac 300
 accccacaaa acagcaaaaa aacacgaaaa aaacgacaaa aaaaaagaca acagcacaca 360
 aaccacagaa tcaccaccac aaacacaaaa aaaccaacac acaaaacacc agcg 414

<210> 17649
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17649

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 gaaaattgag ggggtgttaa aattaactgc acagaaggaa ataagggaaa ggggagagta 120
 atggaatagt tggaagtagg gaagggtgaag gacattagt aataggtatg ggtgtggaag 180
 gttaatggag atgatgggtg agtggtgggt tgagaaattt ggggtattgac aatacgggag 240
 aattagtcac gtcaatgtaa agttatgttg attaaggaaa agagaaaatg gagagcgagt 300
 g 301

<210> 17650
 <211> 702
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17650

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gatcgatang nacanacnna nttcanntna anannnaccn gccaaaacca naaaacacaa 180
naangncgca cgcacacacg cggcacagct tatttgccat ttcgatatga cagcagcaac 240
aaacggacgg aggaagcgcg agcatactat aaagcacact antaacgccc aacaccanac 300
acgaagtgan atgacaacac gacacacgca ggcgangnag cacactacac agacagagca 360
gagacactga acacaacaca antgcgaggc aacacgaaga caagaacca cccaccacga 420
gagacaggcg catagccaca ccaacacaca catgaaacaa gagggatacc acccagcagg 480
atgtaaccac acggacaaca ctcaccgaan gtcacacaaa caaatgacga acacgacaga 540
cagaacgaga ctgcgaaatg cgacacgcaa catgaaccgc gacacanaac acaatcaacg 600
cgctgaacgc aacacgagac gacgccacac acgaaacaga aanccaaacg aganaccgat 660
ccgcacgaca caccaaaaga gacacacgga cgaaaagaac ag 702

<210> 17651
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17651

cccaccaacc catagacata gagacacaag cgcactccct aanaannana aagaggatgt 60
aatcgatgag ncantcnttn gattacaacc ngcgatcaaa naaaaatccc aagagaacac 120
tttttttacac aacagcccc cagggggggg gtacataata gacacccac aaaacacaca 180
ggaacgaaac aaacgcgaga acgcctatca acagcaaaag acacgggaac cccactcaac 240
gaagtgagac aactagaaga aaaagaggag acccacacaa aggcgagaaa aagaaaatga 300
cacgaaaaaa acacccgcca aaaatgggaa caagcacacc ggaaaacgaa acgaagagca 360
aagtccaaca taagaagaaa gaaagattaa aagggcctgt gacaaaata cgcgacaaac 420
agagcgcgca cagacaaaaa aaggaaggaa cccgaacaca cggccgcc 468

<210> 17652
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17652

atgggattga tgctgatgtc ttgannaccc aaatatagaa aacccccgga gataaattcg 60
 cgngtacaaa actttatttg atgattcatc accaagacac tggagagatg ggggtgttgt 120
 ggaattatac acctccccct tatctacttc tggggtaata ttatcggcgt gaactgatca 180
 cgtgtatata tcaactgcctg aaagtaagta attatagtggt gtagtaatta gactggatgc 240
 atgagcctgg aatcacctag atgttcacac ttactatcat gtgacttgga actatccaaa 300
 tatcatgtaa aaactaagga caatataagg atagtgggtt aagagatcac acatatgtga 360
 cctgagcacc atagatgtct aaacatctga agaatcacgg atacgatcgt aagaaccatg 420
 tgaattaatc gtctatgaga atccgcctga tgatec 456

<210> 17653
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17653

ggataatatg aatgtctctg aaacacnaat tggaaaaccc gggctcttcaa aaattacgaa 60
 ttattttttt tacgancacc cggggggggg cttttgatcc atcccccgcg agttaatact 120
 ggaattactt gacaccaacc aaagttaggg actcaacagg ggacgaataa gtactgtcgc 180
 gccaatcatg cgacagacgg tcacccgcgc tgcgggttag ccccccgga aaacgacatc 240
 cgcacatact ccgcgaaggg cgacggacag agtaacgtcg aacggggggc aactgcatt 300
 gaccgctgta gtgtcatata ctcaagtgat tgagcaaagg agggtcagtg 350

<210> 17654
 <211> 217
 <212> DNA
 <213> Glycine max
 <400> 17654

ttcttttcgtt ttcaattact tgtgtctcga taccctacgg gacacaatcg gacatccgag 60
 tcaaaagtta ttatcggttg actttttctta gagctcccgga gttcaatttc tagcgtctcg 120
 atatattaaa gggctcaatc ggacatccga gttaaaagtt attgtcgtta gacttttctt 180
 agagctttcg ttgtcaattt cgagcgtctt gatatat 217

<210> 17655
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17655

ntggagtttc caagtgccaa ttcgtcctct tctttagtc attcttcttc tggcttcaat 60
 tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180
 tcatagttgc ttccatcaag aattggtggt ctgttcaactg gtctccttc tttctccatg 240
 ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag tggacagatg tegtacagga tgtcacgaca tcacgcttca 360
 aacatgcagt ttatgtgtgt ccgtatgaac 390

<210> 17656
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 17656

atctttgatc ggtaatttgc gaccagaggt cgtaagctc gtctctgctg atcttttcaa 60
 ccttcagtct acgtctacga ctcagcgcgt caaatagttc cagagcgaac tccttagagt 120
 ccttcatccc ttcaaaaaat taaacaaagc atacaaaact cttcaaaca ggaagtga 180
 tgacaaaccg attaaatgca catgcgaaac gcaagaatct gaactgaaat ttgaaaagga 240
 atcgtaccta tgcattgcgc aaaatcagtg cgagaaagat aaccgtcctt ggcaagacta 300
 tagaaattgc tgtgcacctc gttccacgcg ttagcgccat tggatttact 350

<210> 17657
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 17657

tcatatatat atatattacc ttgcctacat ccgttcttat actatgtaaa aatgatctat 60
 atatcaaatt ctatctatcc tttcgtttgt tatcaatctt atacacacaa tgacatatca 120

aattatacca tggtaatttt gataattatt atactatttt tatatacgag ggaagatcaa 180
attataccag tataattttg ataattatta cactattttt atatacgaga ataaatcaaa 240
tcataccgat ataactttga taactattgc attattttta taacttgata tataatgtaa 300
tttttattga tataactggt aagttatatt cacatattat caagattgtc cgtattatat 360
tttgtcaaaa ttgaacaaca agaaagtaat cacattatct atatgttaa 409

<210> 17658
<211> 314
<212> DNA
<213> Glycine max

<400> 17658

atcttgtctt ttcccttgat atattagagg gactcatgct cactatgaat gacaaatcac 60
ttgggataaa agtaatgttg ccatgatacc aaagcccgtc ctaaggcata caacacctta 120
tcataagtat aatagttaag ggtaggacca cttaactttt cactaatata agcaattgga 180
tgaccttctt gcatcacaac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aactatattg aaagtccggc aaagcaagta tgggggcatt atctaactct tgcttataaa 300
cattgaaagc ttct 314

<210> 17659
<211> 332
<212> DNA
<213> Glycine max

<400> 17659

taggtcatgg cttagtagat agacccttg aaccttagtc ttacacaaat gctatggata 60
gacatgtaga atgttcacat tacatcgaag catgggtcaa tgagtcacaa cgacaagtgt 120
acttacgagc ttactagaat cagtatgtca aaagtatgta gcacactcaa aatattttca 180
ttatacatac ctaataataa ttgtcgacct taaggcaccg tgacaactat gatgttctgt 240
gtccatggga caacattggt gcttggcttc gcgccttgaa gctgatatc aacatataag 300
gctcaattca cagatttttt caaaatttat aa 332

<210> 17660
<211> 157
<212> DNA

<213> Glycine max

<400> 17660

ttctttcttt gcggtggtgc tatgaccaac gatgatcatt aatatgaaga gaacggaata 60
tcgtggtggt gtgaaaagct tgagctgtga agagaagtga ctgagtgagg ttatttaagg 120
ttattctaaa tgatgacgtc tatttgggtt aatttac 157

<210> 17661

<211> 298

<212> DNA

<213> Glycine max

<400> 17661

tgggttaaaa accaccctc accctatgcc ttttattttg caatggtcga atgacaatgg 60
tgaattgggt gtggataaac aagcatcact tacattcttc ataggaaaat atgttgacga 120
tgtgcttcgt gatatgggtc ccattgaaga ctaacatgtg ttgcttgtag gaccttgtag 180
ttatgataga gatgctgttc acaatggggg caccaatcaa tattctgtct tccataaatg 240
taaaaagggt gttctctcac ctttgcctcc aatgagggtg gtgaggatca tctaaccc 298

<210> 17662

<211> 387

<212> DNA

<213> Glycine max

<400> 17662

ttctatgatc caaaatccta actcaccata aaccttgacc cagggcgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa aaaaaaaaag caaaaaaag aaaagaaagg aaattcccaa 120
tcaaagagtg ggagagagca aaaagaaaag aatggaaatt cccaatctaa gagtgggaga 180
aagcataacg aacagaaaaga aaattcccaa ccaaagaatg ggagaaagta aaaaaggaag 240
aaagacaagg aaggagagaa agttcctgat caatgaagca taaaatatgt gcagaaagggt 300
cttttgacca tacaatatct gaacaatata gatttggcac caaatgaaca aaatgaatga 360
aaggaaacca tgacctaaag tgggtctt 387

<210> 17663

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17663

tgaagaggat gctntaatgg aggaaaagaa agagataatg ggggagcacg aaattgaagg 60

aataaaaagag ggagagaagt ggaactttga agtgtgtctc ataagacttt cattcatcaa 120

agttacaaca agtgttacac atgcttctat ttatagacta ngtagcttcc ttgaaaagct 180

ttcttgagaa aaattccttg agaagcttct ttgagaaaac ttccttgaga agctagagct 240

tagccacaca cacctctcta atagctaagc tcacctcctt gagatgagaa gctagagctt 300

agctacacac ccnctataat agctaagctc acccccattc caaaaataca tgataataca 360

naanaaagtc tctactacaa agactattca aaatgccttg aaatata 407

<210> 17664

<211> 128

<212> DNA

<213> Glycine max

<400> 17664

tctatctttt acatgcatgt gcacacagtg ttgactaatt ttagatcaac tgatgcaatc 60

tatttgaatt aaaagataat tcatgctact cttataatgt ggtgtacaac taacaaaatt 120

aattttat 128

<210> 17665

<211> 408

<212> DNA

<213> Glycine max

<400> 17665

agctttttaca tgcattgttca caccatacat actattcttt atcaactgat gcaatctatt 60

ggatggaaaa gatagtttat attactcttc taatgtagtc gacaactaat aaaaatgtaa 120

cagacagtag tgcttaagcc attcaaatac agtcattgtg aatctcatca ttactatcat 180

gcatctcaaa gagaatgaga atcatgcac gtaatgcata gcacaacaaa acattaaaag 240

aaaacatgtc ttctaaagcc aaccaaggta aaaatgtatt tatatttgtg aactttttca 300

caattataac acatatataa aaacatggtg gaacatctga ccacatgcac aacacattcc 360

acacattatt attgaaaatg agtcggaagg gaatataata acgcattg 408

<210> 17666
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 17666

ttctttaacc tcacgactc tcacaatcgt tagatttggg agccaatcca atccttgtgt 60
 ccggactctc agccacttat gatagccgcc gatgctccca ttactgcttc ccctaagctc 120
 tttgtccttt cttcacgccg catcccatgc cttgggaact ccttggagta ccctcgcgtt 180
 gtggtcacta aaaccccggtg cgatgaaagg cgtgatgctt tcgtctaata gcgctcctct 240
 catggggtag ccaagagttg gtgcacaaca aacaatactt gcgccgtctt tttcacatcc 300
 ccggtcgaac gtgtcataca tggccaaaat ggcgacgacc tgggctttct tgccatgatg 360
 a 361

<210> 17667
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 17667

tcaagccaaa tggacttacc ttgaattaat ttctttgata acccctttga gcctatgttc 60
 ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga taacacctta 120
 cccttaaaga attttggagc tttggaattg ttttgggaat aagtgtgggg gggtatgttt 180
 cattggaaga tatgatTTTT ggccatgatt aatgttttat tttggccatg gttgatgtat 240
 atatatatg cctagatctt gctttaatct tcaaattcgt actgtctaaa aaaaagagaa 300
 aaaaaatgaa aaaaaaaatc aattgctgca aattctgcag attctgtctg ttcaaaaaat 360
 acaaaaagag aagaagaaga gatgcgaagt tgaataaatg atgtctt 407

<210> 17668
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 17668

ttcttctcaa tcctttttcc tattgttttg cctgtcttat ttgttgggtt gtatgtaaca 60

aaaactatta tttgtgatta tatatttata tatttattgc aatgtgttat ctaatatatc 120
 taatgtaaag gagtagtata tggagaaaag atgtacattt gaccgctctg agagagagaa 180
 aacaaattaa aaactctctc tggatatttt tgattattat aaagatttgg gacttgaaaa 240
 aaaatctaaa cacaaaataa catgtagatc ttattgcttt gagagagaga ataaaataac 300
 gaactctttc tataaccaac gatataagac tatactatga aagttacac 349

<210> 17669
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 17669

tgattcatga ttcaattcat gtatctttcc attatccacc gaaatatcac taccaccaac 60
 agctctcttg atggagcttg ggtatttcat taactgacca ataccaaaac cagaatttat 120
 tttaacacca gagtcttttag caaagttcac ccccttatca ttgttcaaac atttattggt 180
 ccttatgccc gaattggttg attgtcttcc tgtgtggccg taatcagaat acagtttctt 240
 gggcatgata gggctgcat cattccacaa attttacta gtttttgtct ttcccccata 300
 ttgattatca aattgcagaa atggtgaaaa ggataaaccc ttggccacat ttttagtttc 360
 tgatctagct ctagcagaag cattaaccac agc 393

<210> 17670
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17670

tttctntttc tgaaagatag aaatttgaaa ttgaaattt gaaagctgtt atcgattacc 60
 acttgtatgt aaatgattac cagtaacgga actaaaaaaa ttcaaattga aaaggcatga 120
 cttctcatta cataactgtg taatcgatta ccaaagaagt gtaatcgatt accagtgagg 180
 aaattataaa agttactctg aaaagtcaca tcccttcata agttttcgaa aaaccaccaa 240
 gggcctatta atatgtgact tatctatgat agttttgaga agtttttcaa aaccttattg 300
 tcttatcctc tcaaaaacaa atcattggcc aaaca 335

<210> 17671
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 17671

tgtatccctc ttgaggggtt ttctattggg tagctcttct tgtgtctcct ttgaatgttc 60
 accatgatat aattggcaag ttttcttgga agtaattggc actgaagtgg aatcctcaaa 120
 agacagaatg caagactttg gtttctgtgg agaagcatgt tgtttgagac ttgtcatatc 180
 aaagctagtg ttgatctctt ccaaagatga agaattgctc aaaaggggtg ttctttcttt 240
 tgtgagatat gaattagggg agtgattttc ccatgagagt tctccaggat cactgaatt 300
 ctctccctcc aatggttctt caacagagtt catgtcacat tcagtggata aatgataatc 360
 attattgtcc tgcaaacatt tcaggaataa ag 392

<210> 17672
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17672

tgtttttatc caaatggact taccttgaat taatttcttt gttaaccctt ttgagccttg 60
 attccctttc cttgtttctta tatgctttac tttgcaatga atatccaaga aatatgcctt 120
 catcagattt tgcacaaat tttcctagat tatctttacc attgatgtgc catcattttc 180
 ttctatttct taaacccttt ttgcaccatt ttaattactg attagtctta attgtcaaat 240
 taattaggca attttattat ttgggctcat ttagctaatt tgatgtgttt aatctaattt 300
 caggaattaa tgaaacattg tgcttaatcc ggattttggt tgtggacttg atgagggaaa 360
 ataaagcaat gcttacc 377

<210> 17673
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17673

ctcagctttc ataagtgaat tcaggtgtag ccattctctt ttagtcctct cagcaggtgg 60

[illegible]

| | |
|-------|-------|
| <400> | 17674 |
|-------|-------|

| | |
|-------|-------------|
| <210> | 17675 |
| <211> | 405 |
| <212> | DNA |
| <213> | Glycine max |

<400> 17675

7408

<210> 17676
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17676

tttcttccaa gtanttaact gcttgctggg aactgtccta agcaaagccc ccaaagacct 60
 attaacaaac gaccgtttgc ccatcggtat gagggtgacc actggttgaa aataacaatt 120
 tagtgcccaa cttgctccac aaagtccctc ataaatggct gacgaactta gagtccttat 180
 aactaacaat gtcctttggc aaaccatgga gtctcacaat ctccgtgaaa acaaatcagg 240
 cacatgggaa gccataataa cttgtttaca tggaataaaa tgagccaatt ctaaaaacct 300
 atc 303

<210> 17677
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 17677

ctcagcttga gtaattaaac gacaataact tttttttttt gtccgattga gtcccgtgat 60
 atattgagac gctcgcaatt gaaaacagaa actttgagct tattggaacg acaataactt 120
 ttgactcaaa tgtccgcttg tgtaccttag tatatcgtga cgctcgcaat acaaaaaggga 180
 agctttaaga aaatcaaacg acaataactt ttaactcgga tgctggatag agccccgtaa 240
 tgtatcgata cgctcgatat tgaaacagaa ccttgagcaa ttcaaacgac ataacttttg 300
 attcgatgt ctgat 315

<210> 17678
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17678

atcttgtaat cgattacaca agtcttgatga tcgattacta gaggagattt tcaaaaaata 60
 atttccaaga gtcacatctg ttcaaattgg ttttgaatgg ccatcaaagg tctatttgta 120

tgtgacttgg aacacaaatc tgcttagatt ttttcagaac aaaaagggtct tatcctctca 180
 aaagcaaaat tatcttatcc tcttaaaaat tccttggaca atacacttgc gattcaataa 240
 ggaattatct tgagttctcc attgttcaat ctatctcttt caagagagat ttcttcttct 300
 cttcatctta tttctaaaaa gggattaaga gatcgaggat ctcttattgt aaagcaatct 360
 gaacaca 367

<210> 17679
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 17679

tgactctggt tttaatagct ttgtctaaag aggtgaagaa acttgaatcc cttgccatgt 60
 tgtttgtgca tccactatca acataccata catcctttga acctaaacta tttgcttggg 120
 tagccataaa gaagtgtttt caagcttttag attgctcatt agtgagggtg acttgatgag 180
 caagggtgtg ggtgagattg atttttctta aatcggtggt acctctcttt atatctgcag 240
 ttctagcaat tgttacattg aatttgaggc ttccccttat gtcaacaatc tttagacaag 300
 tcgtttgtcc ttttgcatgt agtgcaagga ggaaaattgt cccttgatat aaattaggtt 360
 gaactcccat cttgtttgcc ttttctttt gatcacctcc tctttta 407

<210> 17680
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17680

ttctttgcgg atttgggtctt cgctggggaa aggatcgaag cgggtctgaa aagaggcaaa 60
 tttgatcatc ctgttttgat gaatgagaaa actggggcaa atgaagagga tgagaatgag 120
 gaagggtgtg atgtatgttt acatgatctt gatgatgtca aaagaagaat caaaacaagg 180
 ctcatcttgc tcaagattaa tacaagattg tttcaacaaa caaagccttg atttaagatt 240
 ttttcaagat caagccttgc ctcaaaataa aaggtttcaa gtcacccaag gcacatgtaa 300
 tcgattacca aggcatga aagtgtgtaa tcgattacac atcatatgta atcgattact 360
 agagactctg aaca 374

<210> 17681
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 17681

tgctgtagg atcaccgatc tttgggttcgt tgggtctctc taacaagtct gagcaagcgg 60
 aaatgggtttt tgttgattct gaggtatatt ttgtgctctc tatttgattg ttggattggt 120
 gttgatgtca tttattgatt atatagtttg catatttcag ggtgatcaaa ttcattgctat 180
 ttgtaaatcg gaccacctca agtcttggaa agctgatttg aaagagaatt tcacttatgt 240
 tatgcataat ttcaaagttg ttaagaatga tggcaattt agattgtgcg aacatgagta 300
 caagttattt tttattggag tgacggttgt tagagaagct gatttgcatt aactgtcttt 360
 taaggaattt a 371

<210> 17682
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 17682

ttctttcttg tattatgggg tacccatcac atgtggtact atgtggcggg ctgtccatgg 60
 tgcacaacta ggttctccac atgcacaatg cgcgcatataa cccaccatcc cctgggtgcca 120
 accttcaact gagctgacgt gctcacacat agaccatata ctcgtttatc tcaacacctg 180
 ttcccatca atccttccat gctttcacaa cattcaagcc aaacaacatt gaccctgcac 240
 aagctatcac ag 252

<210> 17683
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 17683

ctgggatgcc gtattgaaag tgaatctttt ttcattttga atctccaata taggtataaa 60
 atgcaattca atgttgaagc ataaaaaac tggatattaa taactaaata atggtgaaaa 120
 caacacaatt agcgaagcta aaaggctaaa tatttaaaag taaatgattg ttcaacatgt 180

aaattaacaa accatcattt taaaaccag aaaatacaaa ttaaaattca gtcactattg 240
 ttgtcgcccc aatttttttt gtgttctaata aacaatttcc caaattgtgt catgaggcct 300
 ctggtaaaat gagagttcgt atccactatt gttgggtgag atcaacaatt catacatgca 360
 ttctagatgt taataggggt ctat 384

<210> 17684
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 17684

ttctatcctt gcccttgat atatgagagg gagctttgtg aactatgaat gacccattcc 60
 ttgtgatata ggaaatgtgg ccatgctcac aaagcccgaa ctaatgcgta caacttctta 120
 tcataagtta aataggtgag ggtgggacca ctcaactctc cactaaaatg agcaattgga 180
 tgggctctct gcatcaacac aaccccaatc ccgacatttg aagcatcgaa ctcgattacg 240
 aaaaatcctt gaaagattcg cgacgcaagt atgggggcaa taattaacat gttgcttaac 300
 aacattgaaa gcttcttctt gtttatctcc ccatttgaa 339

<210> 17685
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 17685

gggtacccca tggtgaatat gctgaccaa gatctgttta tagcaccact aactgtcctc 60
 cgttggaagt tgtttatgga tctaaccac taactcctac tgataattcg tctatgccta 120
 atgtctctat tattaatcat aaagaaggc aatcaaaggc gaactatgtg ataaagactt 180
 atgaaaaaag ccgagatcat attcggagga aaaattaaag ctatgctaaa caagctcaca 240
 gagggagaaa gacagttgtc ttcgaacca aatattgaga ttgggcgcac atgaagaaag 300
 caagggttcc ggaacaaacg aaatcatcac attaacctaa gggagatgga ccatttctag 360
 tgcttgacac agtccaagac aatgcctaca acagtcgacc g 401

<210> 17686
 <211> 352
 <212> DNA

<213> Glycine max

<400> 17686

ttcttgtctc agcgtgtatg cgagacggag accaacaatgc tagctatcat cgccaagtac 60
caagaagagt tatgtctagc cgcgggtccac gagcatagga ttgcggacga atatgcccac 120
gtatacgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
atgtggatgg atcgggttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta 240
tccaaggcca aggcgatggc agacacctac tccgtccccg aagagagtca tgggcttttc 300
ggctattgtc agcatatgat agacttattg gccacataat tagaaatcgg ta 352

<210> 17687

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17687

cctatgatac tcagctgttt atgccctctc ccctcggcgg agatttcttc ttctgcgaag 60
gcgagatagt tgttggcagt gatattattg accagccctc cgaaaccttc taccgagatg 120
tcttgggcca catgggcctc attcagaact ttactagca gagcccgatg aggctcggag 180
ctcatgagta actccaacag cgagaccctg gctggagttt tgttgagctg ttcgataacc 240
ttgaattcgc tctgctgaat tatacggagg aactcactgg cttcctctag cgacacctcc 300
tttttgccat cccttntctc cggaagacct ttccgccgaa tatctttatt cgaagcgagg 360
ggtgcttcgt catcttggtc ctccaccact ttctcttacc ctagacgttc gcgggttgga 420
ctg 423

<210> 17688

<211> 368

<212> DNA

<213> Glycine max

<400> 17688

tcatttctta agaataatgg cctcatcgaa cgatttattt cctgaaggga attcaataaa 60
tatactcct attttcaatg gagtgggtta ccattactgg aaaaccgta tgcaaatttt 120
tatagatgca atagatttaa atgtttggga tgcaatagaa gtatggccct atattcccac 180

tatggtggct ggaatttaaa ccatagaaaa gcctaaggaa gaatggactg aagatgaaaa 240
gagattactg caatacaaca tagaagacac aaatataatt acgtatgcct tacgaatgga 300
tgagtactct aaggtatcaa attgtaaaag tgctaaagaa atgtgggata ccctacaacg 360
tacacatg 368

<210> 17689
<211> 402
<212> DNA
<213> Glycine max

<400> 17689

tgtgtgtccg gtgtgcatga agtcatggac tctattatca atggtgttta acctgggtaa 60
tatgaatgcc aaatatggat ggagtgacaa aagcttcact atattgctta atgtaatgca 120
acgtatgctt ccagaataaa acagatcgcc aaatagttac tatggggcaa agaagatact 180
gtgtccgatg agtatggagt attagaaaat tcatgcatgc cttaatgatt gcatgctgta 240
caaagatgag tttgaagata tgcataaatg ccctatgtgt gctgtatcac agtaciaaagt 300
gatagatgat acaaatatag cagtgatgaa agcatatacg aagaccccc tatgaagatg 360
tgatgggtatc ttcctatcat tccaagggtg aagcatctat tt 402

<210> 17690
<211> 377
<212> DNA
<213> Glycine max

<400> 17690

tcattcttgt tcaactaaaga aaaagtatca gagaaatcga ttccatcttg atgagtatat 60
cctttggcaa ccaatgagct atgtatctat ccacagagcc atccatttta tatttaacct 120
tatacatcca gctacaacct atacaatgct tatcaggtgg taagggaaca agtgtccagg 180
tggaatttgc ctcaagagct ttgatttctt cattcattgc ctgacgccac tcaggatagg 240
gggcagcttg atgataaaaat tgaggttcat atacaactaa aatctgggta atgagagctc 300
tgtaagggga gctaagagcc aataatgaac aatgatgctg gatcggatat gcaatcttag 360
atattggtgt aacatag 377

<210> 17691
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17691

tgtgcattca atataccta gagggtgttc catatgttct caagactgga ctaatacatt 60
 tgctgcccac gtttcacggt cttgtagggtg aagatcctca taagcatctt aaggagtcc 120
 ttattatctg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaaag 180
 attttctca ttctctggag ggagtggcaa aagattgggt gtactacctt tctcccagat 240
 ccatctccaa ctgggatgac cttaagaggg tgttcttga gaaattcttc cctacatcta 300
 ggaccagac catcagaaaa aacatttcag gcatcatgca acttattgga gagagcttgt 360
 atgagtactg tgaaagattc 380

<210> 17692
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17692

atcttgtatt tcaaataatta tgggtgtgcgc ttgttgtaac atgttatgtt tgctactgat 60
 ttttaattct ttgacccttt gaatgaccaa attggctttc gatgtcttca tgagacttgt 120
 agagaatttt atcctttaca ttcaagcact ggtatcatgt tatttggacc attacaacat 180
 aatcaatcct tatagcattg cagttttgtt atattgtgag gacaaactga catctctatc 240
 ttcatggta gtttcttcca agatccaagc cttatttgcc catgacttct ccataaaaaga 300
 tatatatatc tttctcttag ctttctacaa ccaactgagat catcccaaatt tcaactcttgt 360
 agctcaa 367

<210> 17693
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 17693

tcttatccaa ggcaattctt ggtgggtgaag ctcttcttct cttggcttat tccctagtgg 60
 atgggtgctc cctctctctc ttctcctttg ccttccgctg catctccatg gtgaaaaatc 120

accattgaag gacctcattg gagctcaaag atccagcctc catagaatct tcacaagcaa 180
gcttccatca cctcttttcc tgtacatgac tgtgttagac gagtctatgg gatgcgtggt 240
gggtcaacat gatgactctg ggaaaaagga acaagccatt tactacctaa gcaagaagtt 300
taccgcatgt gagatgaatt acacaatgct ggaaaggacg tgctgcgccc tgttatatgc 360
gtcacatcgt cttatgcagt acatgctcag tca 393

<210> 17694
<211> 380
<212> DNA
<213> Glycine max

<400> 17694
ttatgtttct acttatgtgg cagggcgggc tgccttgacc ttcttgtctc caacgcgaac 60
tttgaccatt gttcttcctt cccgcgatgc ttcttttcat gtctgcctga gtgggcttat 120
agcctaaacc atacttccca cgattacctt gggatattat cagtctagtt atgccgccgt 180
tgtattttcc taaaccatc cggggtcat aaccgttccc caacataact cgggccatca 240
ttaccgttgc atcggacaaa ctgtgctgcc caaagaggga gtccacggag gaaatgttga 300
ccacctcaat agactggaaa gcagtttcta acgattcttc tgcggcttcc acataatgca 360
tggaggatgc gcagcttacc 380

<210> 17695
<211> 284
<212> DNA
<213> Glycine max

<400> 17695
tcaagaacca ccttggctgt atcaaaggac tttcacaacc tttgtgtggt gccctcgctg 60
gacagagtga ttctttcctt cctttcatca tcaactctgt tctttcaaac cacaattcca 120
gaaaatccac ctctgccag aattatctcg tggccataac tcccatttta cgcactcaaa 180
ttaagtgatt cttgagccta aattgaattc aaaacgagac ctttcacctt gttatggatc 240
acctcatttg gagecctgta gtttcagtta ttgccatttc tata 284

<210> 17696
<211> 372

<212> DNA
<213> Glycine max

<400> 17696

tatcttaacc ttgggttaact aactaaacca taaatagtcc ctcccactca ataccactac 60
cactttcaaa tttcactttt tgcattccca tctttgcaact cttctaattc ctaacttata 120
taatataact ttatttagaa aacgacaaga ttagatattg tttggtaaat tatttgtggt 180
aaataaatgt atatgtttga taatgacaac acagactatg ttctcattat aacatttaaa 240
atactataac ataacatcta aatattgtca tttaaaatca taattgacaa atgtttatct 300
ttggtaaaat ttaattaata gagatatcaa tctcttaaaa tacataatca aaaatacaat 360
tgacatgaaa tg 372

<210> 17697
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17697

ntaactaata tcttttttcta aagctcccat ttatctttat cagtatttga ttccaagtga 60
gctatttgtg aataactttt tcaaatacata taatataacc ttcagtatcc atatccgtgc 120
atgtctttcg gaaaagagaa ataatatgcg cgcgacaca ttcatatatg aataaatcgt 180
caactttgtc cccgtgtgaa atatcgacga attagttcta aattttaaat ttaattatta 240
aatatgaaaa atgtaataaa ttaattatac aggtcattta atgataaatt aatctgggtta 300
aattaatctt aaaaaatatt acttattctc aaattgggtct ttaaataatta taacaaaata 360
ataaaattat ctaacaaaat taacaataaa attaatttt 399

<210> 17698
<211> 367
<212> DNA
<213> Glycine max

<400> 17698

tctattttgt aaagtatgaa tcacctttat tgtttcttct agggaccgta tcttttcggt 60
gatatccatg tctcctgttg agttgatact gtgagcataa caaatgcatg tatcttcaat 120

tgacaaatga acttgtataa cataatgtaa ttacttgggtt aaaactcatt ttttagtcat 180
 atattgataa aaaaatggag acaacaaggt tagtggtggc gtacacgtat tgtgcatgat 240
 tttctccga agctctggct tctttggaag cattctcttg tccccttaca gctttagcta 300
 tttcaagatt gtgaggccaa ttaaatgttg aatacgcgaa ttatagccta tttgagtcta 360
 acatgtg 367

<210> 17699
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 17699

ggttagatag aagtaactac tgggtctatct tgtgtgaata tatgtattag acacaaagca 60
 ttttatctgc tgtatgaatg aattacactt gcacttggtc tcttttgagt gcatttttct 120
 gatttctggg tttgtgaatc tcttgtgcc acaattggta tctagagttg atttgatcat 180
 gagggactgt gagagaacct tgagtgtaca gagaaattgg aaatcacaaa tagagtttga 240
 gagaacccaa tctcttttta gaatacccaa ctttttaaat ggcttccaac aatgttccat 300
 tactagcacc tctgtattc acaggaaaga acaacgaaat gtgggttggtg aagatg 356

<210> 17700
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17700

agcttaactt atatattttt attgttagac taaacctttt aacctgtgat gttgcaaact 60
 acaaaagaaa cacaagtcac taacaaaatg cggaaaataa aaattaaatc atatctccag 120
 ccattgccat gaagtgttgt cttgttttgg ttcttccaag ctctctctct ttctctctct 180
 agatggtgta tcaaaatgaa ttcaaagaga tgatctcaag gaccaaatac atgtgctata 240
 tatggtattc taccatcaag gatgcattta gtagccatta ccactcatta ttggttggtta 300
 taattcatta gtggccatta ccaccatta attcaatttg gcttccaaaa ttgacgagcg 360
 ttcaattttt caaatgtt 378

<210> 17701

<211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17701

ntgccatgct gaattatatt cctttttgct agtgcaatat tgtagtttgg cttggctttt 60
 tcttttgctt ttgattttgg cagtaggtca catggatctt ctttaggaga gagagagaga 120
 aagaaatcaa aggettataa aataatcact ctaaaaatcc tacaacacag tttatagttt 180
 tatttgtgtg atttaattcc agacaattgc atttaattct taatgctcat gacatgactt 240
 acattgcaat aaatatgtgt ttatggtagt taaaaataaa ctgaagggtt taatatccat 300
 attgttttat ttacatgtat aagtggagaaa atntccagaa attaattcta gagtgatata 360
 ttaatcaaat aatttgataa agggttaatt aattagatta taatgat 407

<210> 17702
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17702

ggagancatg atgagtcgat agcangnccn tnggtagaat acaacgcgcc tattttaacta 60
 tatatccact ccatttattt tttatgcaca cgcacgcagg ggggtggat ataagataac 120
 acccaciaag ggagcacgaa aatagacaaa gatatgagta taaacaggga tgtcacgtgc 180
 gggatgggag ggaaatgttg tggaatgatc tgcaataga acgggaggaa agtgatgaca 240
 atttgagcta aatacgaca tataagaaag ggagataaga agataaatag aaatagttag 300
 cgaaaaagaa gtgaagcagg aaacatgaaa tggatgttta gagaagataa aagtcataa 360
 ggaacatgca aatatagaag aagaatagtg gacactaaac ttagg 405

<210> 17703
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17703

gagtgattgt gatgagtcga tgacgactgg taaataaccc ccgccaatcc ccnaagattt 60

actagtgaat gagttttatt ttttttgnaa gtaatataac ggggggggtg tgttgtaaaa 120
atcccccccc ccataatcag tgaagagata atggacgtga gttatgcaga gatgtctaga 180
agtagttgcg ataaggagag actatgagtc ggatagcgcg tatgaaagag agcagaagtt 240
aagaaatgat ggggaagaaa aagaaagtat atgttggcag ttgagatagt ttccagcagt 300
gacataaagg taaatcatta ggggacaaaa gaagaaggaa ttggagcgac aagcgggtgag 360
tagtgtagtg taagcgagtg tgatcagggc aaaaacaaca ggtaatatg gttaagactg 420
atgaacaaag ataag 435

<210> 17704
<211> 666
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17704

agggggcatg atgacaggct cgnacannca caatttggtt naganganca nnnccgcgcn 60
gnattantta nanactatat cataagggac caccaatatt atgttagtcg ttttaagaaga 120
tagacgatca aagtggagga ggggtgtgta gtattataat atatcctcgc acctaataac 180
gcatgaagtg aagtagatga gaaatagata ggagaaaagc acgtgtcata attgacggat 240
atcagatgca tcgtgtacta tgaaatacga gaacagntac acgagtgtag cgatgagact 300
acgatacatt atatgaagta agtacacata ctacaagaat atagtcagcg acatatatca 360
gatgtggtag ataaactgat gttacagagt aaatgtagtc atgaggttnt acaagatata 420
cggacaatga tgtgtgtaaa tcgatatcat gtgtntacga cgatagtata nngtattgna 480
gaatgtatct atagaggtag taacatttgt gtagagagac taatcggatg tgaagttaac 540
tatacgcaga gatgatagta tctacgttgg atacgacgag tgacgcggtg cgagtactgt 600
actgtgcntt gacatacaca tgagtgatga ctagaagacg agtatactat agcaaaatta 660
catatg 666

<210> 17705
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17705

gcgtanattg atgcatggat cgnactannc cnttnggtaa ggnaaccccn cccgcgnctc 60
nnnnatnnng agtaaaactaa tctaacagag agtctctttc tntgtngtng accnacacgc 120
tcctgagggga aggggtgttta tataactaaa taactcgcca caacgaatat cggtcggaaa 180
tgtaaattggg atcaaacata agtgaaacga tgaacgacgt atgctgacat cgggcataga 240
tggtatgagt aagtaccgtc gagcagctca agggctgcac tcatagatac cgagactaaa 300
tatctgagac cgaacaacgt cgagcgagac ggcgccaccgc gacaatatga cactacaagt 360
atacgaccat tatgctacga gatgccaaat ggcaaaaaat gaccctgaaa gagtaacttc 420
gaaactaaga atggagaaga cagtacgcga gaatcatgtt ataaatactc ggagagacac 480
gactgtacaa cgaacctcgg agagagacac agtctcaata ttaggcgaca gtg 533

<210> 17706
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17706

gaggggatga tgcacatgatg acnnccntna gtaagaaacc nccgcggatc ctatgagtac 60
acattgatgc ctgccattat tttttaatcc cagaacggcc cgaggagggt tttttactaa 120
tgaatacacc aaatcaccaa gtaaaacatg tcattaataa tatgcggaaa atacaaatta 180
actcatactt catatcgtcg ccaacatgag aacggttgtt tcggacaatt ttatcaataa 240
atatcctgta ggatacagcg ggggtcccagc gatgctaact agatgagtga acggaataaa 300
taacaggact aaatatggaa acataccatc tgtgaagcat gtagtaaaca ttaggagtct 360
acattggatg agataatgca ttagaggcca ttaccacca tcaattcaat atagcttaca 420
aatatgcgag cgtgtaattt acaaaatgta agacg 455

<210> 17707
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17707

ccg

483

<210> 17710
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17710

gggtgtgtgt gtgcatgtgt acacncctct tgatcattgg catttttttt cgaggagggg 60
ggttttaatc caacatcggg ggaggataat agggaaacgg atcgtgggta gcgataagag 120
gtcagggaca tggtaaactg gactatgatg aggctaaggg tgtgagagag ataaatagaa 180
atgagacgtt gtgtgacatg ttggtatcgg agtagttatg aggaaaggtt aatgttaatt 240
aag 243

<210> 17711
<211> 766
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17711

tgtgaggaan cgntgnattg gacttcggca gtaccgatta ggaacnannn ccncnatnna 60
naatttttgt nganacgnan ccncncnnnt gtnnnntnnta ntcntgacga taccgcatca 120
ttgcgagaca tctttttttt tcttatatat taccaacgca tacgtanach cgccgtggag 180
atgggcgtga gtgctagcaa tacatganca tatntgcctc tacactcgtc gatctacatc 240
atctgcgtac tcgtatgacg ttatntacac gcatagtatg atattatgcg atcgcaatgt 300
atacgcacgg acgcatcaga tatgctcatg atgtatgtga tatctggata tgagtgcgc 360
catataacgc cagctccaac acgcgcgtgt gtctacagac gtgatcatct agttgtagta 420
ggtcggctnt acnaactgag ttgacagtct cgagntgaca tcacatgtcg caactcgtgc 480
ggtaggtaga cgcgcgacat acgtcgatga cgtgtgatga cagtctacga cggcacgtca 540
ctagtgaact tagtgangng tctactactg actcactaac tctccctcgc acattaacgg 600
agtacntagt catangacag atcctgatcg ctgtgagaca gggagacgat ngagttctac 660
tggagnntta cgagctagtc acgccaccga tcttatacta ggnagccgcc gaactgtgac 720

acggtatact ataactggct cgcctcgtct cgcgatatta cgccgt

766

<210> 17712
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17712

ggggnatgtg catgatcatc ganactcaga aattgtaaca nccacccggg atcctcagag 60
ttacctgctt tgttgaatta ntttcaccgc cgccccggga gacgggtgtt aattggaccc 120
aattctcaca tgatgcacct aaaacgtttg aattggttcg accatgactc tctgaattac 180
ggccgggaaa tcagtgggag gagggacgcc cctgcaattt gcacaacatg catattggaa 240
ccctttatgg tactaaagag ttatcccggg cgtagtctga agaaactaca taagtaatag 300
aaaagtgatt ttgggtaagt aacgtgataa cacatcgatc ctaatttaca ccgaactaat 360
catacacata tataggcagg agtgagcttt atctggcccg cgaggcgtga gaagctccta 420
agtctcctcc cc 432

<210> 17713
<211> 120
<212> DNA
<213> Glycine max

<400> 17713

tttatcatcc tctgcatcat catggaggaa aatcaccata taaggacccc attgaacctc 60
agagatccaa cctccagata gctctccaag cgagctttca tcaatatttg cgtgctatct 120

<210> 17714
<211> 375
<212> DNA
<213> Glycine max

<400> 17714

ttctttcttg tactgatcaa gacagttgga atgacgaaag ctagttccac acatataggg 60
acggcaaccc ttgtcatgag aagaacaaag aagaagaaca gcattgtgtg gatattccat 120
gcacacagaa catgtaacat cttcccactc tttcttttcc aaagccttag aacatttggt 180

ttggcagagg tcctcacaaa tgtccctttt gcaagaagcc agtgggtatg gagtcactct 240
gaattgacga gaagcaatcc tgtgtcttcc cctgctacct tttgccattt ccgatattcc 300
aacagaatct ggaatttaaa ctgtcaaaat gttatcaagg aatctaaatg aaatgcattc 360
atatattttt tatgt 375

<210> 17715
<211> 377
<212> DNA
<213> Glycine max

<400> 17715

tcgacgacgc catgccgcgt ttatagttgt ttttgttcga cttcaactgt caccaaacia 60
cactcgcatg agttagctcc attgttccgc ttctttatct tcttttttta ttattatttc 120
tagttgagtt cacactataa ctgttgata atattagttt tggttcacca actattatac 180
atcaaattct ttataaaaa ttacataata ataaaatcaa taaaataaaa tatgaaacca 240
tccatcacca agtaccaacc aagcaactca tctaccacgt cacaatactt aaactagaac 300
ctttggcttt ttctagttac tcattcatgt tcctatactt gctttcactc tatatataag 360
gttaattatt aatttga 377

<210> 17716
<211> 239
<212> DNA
<213> Glycine max

<400> 17716

gttggtgttt tatacccacc gcacccaaaa atgctaaagt tgctgtatga taaaaaaaaa 60
ttatggatat gctataaaac ggatagtata atcgcccgga gacataaaag catatgtact 120
aataacaatg gacatatcct caaatagtac aggtaagcat gataacagaa aatataatat 180
taacatgaaa aaattttggt tcaaaagtaa aagatagaac ctcttggaat acaatttaa 239

<210> 17717
<211> 754
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17717

aggantgcna nnnanttnng attggangtt ngccccgatag gnnacnacnn ccnacnata 60
 nnggatttat gtntgannca nanngccngn nancgcaana ntanananan agaaattata 120
 cttctangcg atngngantga gagatngttt ttgtatgtgt gtatagtnan gataaataga 180
 agcgtaaagg agggcggggtg ggtgtatata tatagtagat tcatcatcca ctattcgga 240
 gtaagagtac gaagataggt atgtggaaca atttacgtgt ctgtgagaga tatatagtcg 300
 ttatatatgg acgtatggca ggatactcta tagtgtangt gcgataccgt tgtagtagaa 360
 gtagagatgt atagaggaat gagaatatat atatggagng tgataatgtg tnaagaggct 420
 gagaatgata gaagtgtaga gttagaggat gtanatataa ggatgtagtg tggtagagta 480
 tagaagtgag agacgtagtg tgatatatag atgtccggaa gtacgtgtaa gcggtagtag 540
 attcacgact actaacangc tcgaatatat ggcggtcaga tagttacgtg ctgagtatng 600
 tgtaagatga tntgaactcg agctatngag atcgataatg tgtatangat gatgatcaga 660
 gnggtagaaa catgctgtgt agtaagaagt gactgtatgc gcaggaagat aagaagtaac 720
 ttgactgtcg atgcgacgat acggcgtata tagg 754

<210> 17718
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17718

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 gaacgcttta tttatttctt ccattctccc ggggggggtg gtatgcataa aacccccct 120
 cncatccacg gacattaaag actattgata atacgatcac ttaaggagaa cattcttatg 180
 tgaatgattg ttggtaacga ataattgcca catcatctca ctattatggt tcaatgagct 240
 tgaacaaatt gctaggcaga ggagcttcga aagtgccttt tgcaaaaaaa cacgggtatg 300
 gagcatatta gtattgacga acagcacagt gagttattct catctaacat ttcgcatttg 360
 cgaagtccac cgacattcgg aaatgacttg ttactgattt taatgtatcg taagaaacgg 420
 ctatattatt ttattc 436

<210> 17719

aatccacctc tgcccagaat tatctcgtgg ccataactcc catggtacgc actcaaata 240
 agtgattctt gagcctaaat tgaatatcaa acgagacctt tcaccttggt cgcgaccacc 300
 tcaactcggag ccct 314

<210> 17722
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 17722

ggatgtgctg tgcacatgta gaccccgctt tagtcttaag gaattttttt ctaaacaggg 60
 ggggtttttaa cccccacacc gaaatcgaaa gaggaagcca ataggaagga tatatggata 120
 tggagctaata aatgagattt attaacggag tagaacgagg aaaaataaat tagctgtagc 180
 cccatggaat tttaaagtgg attgggtaat gctcaccgag ctgtattcaa atatatttcg 240
 atgaaaatcg 250

<210> 17723
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17723

gaatgatctc tgtgcccttg tagaccccan tgtaaataa aatttttttt ggagaggggg 60
 ggggggtatgg cccacacaaa ataataataa gatatatgag atataaagtt atttaaagcg 120
 tgaaaggagt aaataagttg ggtttgggag gagagagagg agaagtaaaa aggaattgat 180
 gagggaagat aaggaatgaa actagaatta attaattaat agtaaattggg ataggagaaa 240
 agatgaacg 249

<210> 17724
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17724

gatgcnattg atgcacgat agacanncnn tttgggtaga tancacnccg ncgacnnant 60

[illegible]

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| caccacccca | accagccgcc | acaagcgaaa | acaacagaac | ataaacaac | aacaccaaag | 60 |
| gatcgtgtgc | tcgtagacac | caaaaannaaa | accncgcggc | aaccaaaaan | ccaacgaaca | 120 |
| aaactttttt | aaacaacccc | cacacaaggg | gggcaaaaaa | accaaccccc | cccaccccc | 180 |
| ccacaacaaa | caacacctcc | ccaccaccac | cacaacaacc | ccccaacc | acaacaaaca | 240 |
| accaacgacc | gacaacacac | acacacagcc | caccaaccaa | aaagacccgc | acaaaaaccg | 300 |
| acaaaaacaca | cccacacaac | ccaaaaaaaa | cacacacaca | caaaccgcga | caaccacaca | 360 |
| accaaccaca | aacaaccaca | accacaaacc | cacaaaacac | aacaaccaac | accacacaaa | 420 |
| cacaaaccaa | aacacacaca | accaccaca | acgcaacacc | g | | 461 |

gagagcantg atcgattgca ttcgatcgga nancctctta ggttagcnga gcaaccacc 60
nnannntnan anngtatatg taactgtaaa gaanaattta tttcattagt ttgcacacga 120

agangacagg gaggggggag aggtgttata tagaatgtaa cactccccgt cgaggctgag 180
 attgaagata ggtactaaaa ttaggtgtgg aaacgatatt atgatataca ctaaggtgag 240
 tgaaaagatg atgaaagtat gaggtatagg tgagtgtgga gggggcgagg tatagtgagg 300
 ggagaaggga agtgaggaga tgtatagaga gtcagctaata agaggtcggg aagagagaga 360
 ggaggaggga tggtagata cgaggaacgg aaggggaagg gaaacgaggt ggtgagaata 420
 cgggagagga atgaaaaatg tggggtaaata gatcgaagag gaatggtgag tataagataa 480
 agagaagtgg gggtatgata gagtaggaaa gagtgaggcg cgagaggtat ggtgatgaag 540

<210> 17727
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17727

ggcattgtgct tgatcactga canccanaaa tagntaggnn cnacgganaa anaaaatgat 60
 ttaaagaatt tattnatatt agaaggggac aaacgggggg gggggatttt gtataccata 120
 accaatcatg cagctaagtt gatgatataa gggatatagt gaatgaagtg tttagaaggc 180
 gaatgagttg gagttgggat aagagtgaat atagtatatg taagttgtag gggagattga 240
 tgagaaatgt gttaaagtag tttgggaatt tgtatggaga ataggagtaa ggtgaaaatg 300
 ttagggatat taatatggat ggaggttgag gtaataaata gggtaagaag gagagggag 360
 tagggaatga gggatatatac agatatgtat tgtgtggata gggaagataa gagtggttgt 420
 ag 422

<210> 17728
 <211> 228
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17728

ggttgtctga ctgggcgtat gacccccnnn naaatgtgat ttttttacag caggggggggt 60
 ttttgaacaa atgcgatagg atatggaaaa ttgggaagag gaagtatgta gtaagtcaag 120
 gagtgaatgt ggattgagaa taggagaaca gtgtttaagt taagaaaaaa agtttgatta 180

tgtagtatt gaaagagttg atagagcata aattgtaatt gaaatgga 228

<210> 17729
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 17729

ggtatgctga ctatgacccc ttagtaaatt ttttgctagg ggattaatcc ccgatattaa 60

aagagagtat ggagtggaag agaggaaaag ggaattataa taggaatgag aaatatgagg 120

atgaaaaaga gtaatggagg aaagtagata gaaaaataaa ag 162

<210> 17730
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17730

agcttggaga agggaaacca gaaaatcaga atcatgccat aatctttaca cgggggtgatg 60

cagttcagac cattgatatg aatcaagaca attattttga ggaggctctc aaaatgcgga 120

atctgttga ggagttcaat atgtcctacg gtattaagaa accaaccatt ttgggggtcc 180

gagaaaatat cttcacggga tctgtttcct cacttgcacg gttcatgtca gctcaagaga 240

caagttttgt gacactgggt cagcgagttc tggcaaacc tttgaaagta cgaatgcact 300

atgggtcatcc ggacgtgttt gacagattct gggtcttggg tcgggggtgga gtcagcaagg 360

cctctagagt gattaat 377

<210> 17731
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 17731

gtgggacntt tgaaccatcg agagccccc tttggaagna gctccccatt ancaaaagga 60

atagaaatca cacattattg ttcgttgagc gacgccttag agggcggata ttaattagta 120

gtacccatta tatcatagag gaatattgtg acgagatagt atatgatgtg gtaatatatt 180

agcgaatcct ttctaggata ttaaactcttg catgtagact gtctcggaag ataataagag 240
 ctagtagatt taagctatga agaggggtcag ttataaatgc acaataactc ttctaataaa 300
 atagtgggtgc agtataatcg gtgatcaatt cttcatcttt agcgttgaat aagaaaccct 360
 cgatatgaga gagaataatg tgccgtgagt tatagaatat gaattgttga ggatattatc 420
 atagggggaa tcggaatgga gatgacg 447

<210> 17732
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17732
 agcttatgct acaaacattt ataatagacc ccctcaacaa caaaaccaac aacaacagaa 60
 taattatgat ctttcaagca atagatacaa tccaggttgg agaaatcatc caaatctgag 120
 atgggcaagt cctccacaac tacaacatcc tgcccctcct ttccaaaatg ttgttgggtcc 180
 aagcaagcca tatgttcctc ctccaatata gcaacaacaa caacagtagc agcagtcaca 240
 acaaagacaa caagcaacga ggctcctcct caaccttcct tataagagtt agtgaggcaa 300
 atgaccatcc agaatatgca attttatcaa gagacaagat cctccattca gagtttgaca 360
 aatcagatgg ggcagat 377

<210> 17733
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17733
 tgccatgtcg tcgtcgttct gacctaaacc ccttcttggc ttgtacccaa gcctcaacat 60
 tacacgggct accatcaatg cagcactgga tgaacggggt tacactgggg gagactcgat 120
 gtcgcaacct acccttcagc gggaggggcg cgcgagactc acgggtgcat cttccaagga 180
 aggaaaacac gcggagtgc caccaacggt tattcgagga aaacgtcgga aaaaaccaga 240
 aaaggcgtgg tctacgaact ttaagtgtga aagggttcggg agttgtattt atgcacgggg 300
 aaggtactag caccacacgc gtccgtcaca aggtacgaca gcctttaatc aagtgtgcaa 360
 atatgacttc aatttgtttt atttccctt tataggtttt tatgtctttg tatgc 415

<210> 17734
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 17734

tttcttttga atatggttga aactcttgtg ggctgtgaac actactcttc gataaccacc 60
 gaataacttc ggacagcgca gttgaggcac cgctctcttg aacatttcaa acacttactg 120
 tgtagcctag aaatatatgc actacaaaat atgcggtctt agctacgctg ctcctatacg 180
 tagcaggagt acacctgtgc cttaggggat tctttctata ttcttcaaat ggtaagcgcc 240
 caaatccctc acatagaaaa gagacttgcc tattatcagc cgggctgccc aaatggtgta 300
 ctctatgagt cgattagcaa gcacgcgac tgtattgacc gcgtgaaaca ttgttataat 360
 ggagtatgcy atttccggac gtgacctagg agt 393

<210> 17735
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17735

gacacgccac aactaancac tntcacaaa tatgacaata aggtgaanat gaactgcyac 60
 cgaccnccac ccccccccc cccaggggn gggnnntttga tgctcgacg tacgaccacc 120
 ananaaactc aagctcgcca agaacgcgna acggacgaca agcacgaaag tattttatgcc 180
 cacacacggc aacgcaacga gagggaggaca ggaacgaaca gctcaagaaa cagaccaac 240
 aaggaacgcc aagagaaaca aaacagacaa cacacacgcy aggagacacc cagagagaac 300
 cacagacgac gagaacagaa ccaagaacac tgagcgagag gccacacaca ctccaacgga 360
 cacaagcaac aagacgcaga aacgggagag gaaaacgatg aacaaagaaa cagcaciaag 420
 acaaagaaac aaacgacacg acgcgaaccc agagggagag acacggcgga cccgagcggy 480
 acaccgccgc agaccaaaaa gacggaggac aagcacgacg acacaccgcy gagaagaacg 540
 acggagagcy 550

<210> 17736
 <211> 377

<212> DNA
 <213> Glycine max
 <400> 17736
 agcttggttat tgcatttggg cacctatattt gaatctccta tgttgtacct acatataaga 60
 aacagtccca ctctcccaat ttacaaaaat catattcata catcattggg gcatttcacc 120
 gagcacttgg tgagcgcgatg tttggacata aattgcaaga ggatggggac aatgtggcat 180
 gccccattgc ttcagaatac agcataggcc taaggccttc tcattcaaat cctcaactca 240
 tgaaaacccat cataaaaaaca aacaaaaact gcccacaaaa tataagcaca ttctcataat 300
 ttggagcacc aaaagatgaa gaaaatatac caatgggaag ctaaaaacat taaggattga 360
 atacttactt gtgggag 377

<210> 17737
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 17737
 gtggagtttc caagtgccaa ttcgtcctct tcttttttct attcttcttc tggcttcaat 60
 tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcctagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatattg aggaaggcca ccattcttgc tttccaatat 180
 tcatagtgtc ttccatcaag aattgggtggg ctgttcaactg gtccgtcttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360
 taacatgcat attgtatgtg tccgtatgaa cagattgaac aagtttataa cacaacgaga 420
 attgtttacc c 431

<210> 17738
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 17738
 agcttcatga tgatgaacca agcaattttg atgatgccaa aagcccaagt gcttgattca 60
 atattgattc aagacttcaa gatcaagcat caagaatcca atccaagatt caagagaaga 120

aatcaagaag caacaagtca agacttcata taggataaat attaaaagaa tttttcaaaa 180
 accaaatagc acagttttgt ttacaaaag aattttctca aattttctag gttaccagag 240
 tgattactct ctggtaatcg attaccaatt ggcattaatc gattaccagt gaccagtttg 300
 gttttcaaaa tgttttcaaa tgatttataa ttttccaaaa tgattttcaa atagtgtaat 360
 cgattactat attagtaatc ga 382

<210> 17739
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17739

tagtgcttga ttaattgtct ctgcgcttaa tttacgttca tgcttaatga tcatttatga 60
 gtaattggtg tatgtgttgc ttaatcacat aacgaatgtc ttatgttaaa tttctcttaa 120
 taatttaatt tagggttgga ttaagtgggt aaactgataa aggataaatt ctcgcaacct 180
 aggataagag acttgcttgt gaatcaaggg gaagcaatgc attttaattc taatattttc 240
 tagttcaatt ttactcgttg tgtaatttac aaaagcaaac accccccccc cccaatttgt 300
 tgccatttcc tactatctgt tatgaacatt tgatttatca ttgctcattg ggaaacgacc 360
 tangatcact tcctagttac tacattttta tgtttatttg attcgggtat ggtctcgatc 420
 aatcat 426

<210> 17740
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17740

ttgtcttcag aattcaattt ctagegtctc aatagattac gggactcaat cagacatccg 60
 agcaaaacgt tattgtcgtt tggattagtt cagagcttca gaattcaatt tcgatcgtct 120
 cgatatatta cgggtctcaa tcaaacatct gaggaaaaaa gttattgtcg tttgaatttg 180
 ctgagagctt caacattcaa ttttgagcgt ctcgatgtat tacgggactt tatcagacat 240
 ccgagttaaa agttattggg ggttgaattt actgagagct tcaacattca atttcgagcg 300

tctcgatatt ttacgggact caatcagaca tccgagtga aagttattgt ccgttgaatt 360
agctcagaga ttca 374

<210> 17741
<211> 425
<212> DNA
<213> Glycine max

<400> 17741

tcagcttgag ctattcaacg acaatacggt tgctctgtgt atgattgagt cccgtaatgt 60
gttgagacgc ttgaaattga attttgaagc tgagagctaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgttaata catcgagacg ctcgaaattg aatgttgaag 180
ctctcagcaa attcaaacga caataacttt tttcctcaga tgtctgattg agacccgtaa 240
tatatcgaga tgatcgaaat tgaattctga agctctgagc taattcaaac gacaataatg 300
atgtgctcgg atgtctgatt gagtcccgta atacatcgag acgctcgaaa ttgaatgtcg 360
aagctctcag caaattcaaa cgacaataac tttttgctcg gatgtctgat tgaggctcgt 420
aatct 425

<210> 17742
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17742

ttgcttgtca agatcactga ggtgcatatt ttcatttaatt ttattttttg cataacttat 60
caatattact tactgttacg aaaattaatt taagtcttta tgggtattta ttcaaactaa 120
ggcggttatac gagtgggtttt tgaacgaatt tatgatagat ttgtcattat catttatgaa 180
gcattcagtc attcggtagg attatgcact tgcttaaatt tatttatctg ttgactacta 240
tacaccgcaa ttaattgaga tgaattatat acttgggtttt agctggcacg attgcaagag 300
gaccttcggc gcatgaatgc atagaaccaa nagctgaacg agatgctcat ccatgtcaac 360
agtaacta 368

<210> 17743
<211> 383

<212> DNA
<213> Glycine max

<400> 17743

cggaactcgg ccttcattgc ctttaaccag ctgtcttggc tagaggcttc ggcatatgat 60
gaagggttctg tggctggtga gatggtcac acgaagttcc tatgggcagg tgagaggcgc 120
gagtatgaaa gtactgagct tagtggataa cgaacaatca ctgaagcttc tgggtgtgat 180
gaaccaagga ctctgtggta atcctgaagg tatgtcgggg aatgtcttga tcgtgttgaa 240
cgcctacggt gtgaaagggtc ttgcttggtt gaatgttcat cacaagagtg tattggtatt 300
atggggtcgtg atgagtggct ttcttctggt ggggtcaagct ctttgccgga aaagggttcc 360
ggacatggag atgggattga gtt 383

<210> 17744
<211> 376
<212> DNA
<213> Glycine max

<400> 17744

ttgttagaac ctataagttc aagagccaaa ggaatgccgg aagcaaaagt gattgcacgg 60
tttaatttat taatgaaatc tggatgaact ctgtcggttc tgaaggcctt ccaacaaagc 120
aattcgagag cttcaccatt ggccaaaact tccacctcgt ataccttgct aaccccatgg 180
gctttaagca aatgtctgtc tctagtggta atgatgactc tgctgccagg gccaaaccaa 240
tcaagacttc caacaagagc tcgcaagtca tctatctcac agacatcgtc aagaacccaaa 300
agaagcctct tcctggggag catcttcttt attagt'gaaa ctcttgctc gacacttgct 360
agacgaatat tgttct 376

<210> 17745
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17745

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tgaagttgac atcaaccaat aaccataaaa acgtgacaca catgtgtatg ctaattaatt 120

aaacataaac acactatatt gatacatata ctcatgatta acaggaagat gggttaggaa 180
 ctaagtcac tgatcaagta tctagcaaga atccattgga cacagatagc agcacgccag 240
 cactttatag ccagaaggag gagttaagaa gcaacaagag gaagaagaaa acaattgac 300
 acaacacagg acgaataatg aaagaatatg tggagatagc agacaagtta agatggctag 360
 ctgaagctat gataaggcca taacaagcaa gaatggactc aatgaatgac atagagagga 420
 tgat 424

<210> 17746
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17746

tttcttgatg gcgtgttacc caccatcttc tcatagaata acaccagtaa cgtgtctact 60
 atcattgtta tcctctccct ctccatcatt ggagggtgctt cttcagctgt cagatccctc 120
 cacctttagg catattcttt gaaagattca tgctccttct tacacatgtt ctgtagctgc 180
 cttctatccg gagccatata ataattgtac taatactgcc taatggaggc aaccattatg 240
 tccttccaag aatggactca gatagggttc agattagtat actaagtgac ggctgccccca 300
 ataagacttt cctgttagaa atgcatcaat aatattgcat ctttcatgta tgcacccatg 360
 atcctgt 367

<210> 17747
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17747

tcganatcaa atactaacca gtcgaaggac gattatctat gaagaacgga cgaagaatgg 60
 caaagaacat tcacggtttt ggttacggaa gcattatgga agcaccttgg ccctgatttt 120
 cttcttcttt ctcttcttt tctaataatt taagtgaat atgcttcccc aggggtgttga 180
 accccttctt tcagcctccc acaccctttt atagccaaaa taggggagga gcttgccgcc 240
 cagctcgccc aggcaagctg gtggcttaag cctgaagtaa catactcgcc caggcgagct 300
 gggtgcttca tgtagaagct tcctgatggg cctaactggg cccatggctg aagaacaccc 360

<212> DNA
<213> Glycine max

<400> 17750

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gggatgcccc acattttcca tgacacaaaa tgcaaaaatg atgatttga aattttatgc 120
aaaactggtc atgcatgcac ctatgctggac actcaagtgt caaattttta tggatcatgt 180
atgctagggt tcaggattca tttcctctat tttagtcaac ccaatgtttc caaaatatgt 240
tcttttatca atatgtgcat tcttccgatt ccatttctgg cgtccgggga aatttacagc 300
attcaccctt caagtgtaga cacgtttttt tcttctaaat cggttatgat caatgaatga 360
attctttt 368

<210> 17751
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17751

tgtccgcana aaatcactag aaatggattt tattgtttta cacctcagtt tttctcacca 60
agtaaaaatg gatcatttta aggtccaacg ccttaaaaatg gccaccttcc aagtaaaaag 120
aatcgcttga ttcccgttca aaaaaaaaaa agaaaagaaa gaactacata ggtctgattt 180
cctcttcgat ggagggtatg taggagcaag agccccactt ttgtcgacct caaaaaataa 240
aaagaaataa aagtttagat acactattct aatttaaggc tgttgctcct tgggacaaac 300
gtgagagggt ctaatacctt cctcaaactg aaatacaact cccgaatctg gaatattctt 360
tatgaccggt ttccttccgt ctttcc 386

<210> 17752
<211> 325
<212> DNA
<213> Glycine max

<400> 17752

tgctttgaat gctctattca atggagttga caagaatata ttcagactga tcaacacatg 60
cacaatggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120

gaagatgtcc atattgcagc tattggccac ataattccaa aatctgaaga tgaaggacga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagaaaagg atgacatatg aatagctggc gagaaagatc ctcagatgct tgcctaagag 300
atttgacatg aaagtcactg caatc 325

<210> 17753
<211> 416
<212> DNA
<213> Glycine max

<400> 17753

gtaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 60
agttgctgca caagatgtcc aacgttatgt ctaagaataa gatcgggctg cacaatgcac 120
aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtctgatata 180
atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240
ccacgatgtc agatacaatg tccaggacat cttgcccga aatactggag ttgctaaaag 300
cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc attacatctt gcccgaat 360
actgtacata taaatctgtt atatctttaa cagattattg tgcagttagc aagaga 416

<210> 17754
<211> 377
<212> DNA
<213> Glycine max

<400> 17754

agctttgtga atatcaaatt tgaaagatag gggatatatt tttcgtatag taccctttga 60
aaactaagga tcacattata aataaaggat ctacatttga taaagtcact gtatacaaga 120
ctaatcaaat cagaagagcc tctcatagta tagtagaaag gatttttagtg atgattttgt 180
agattacaag ctattggtct gcgggtatggg atttttagtag gatgaaattc acaactgtat 240
ccttgattta ggatagattg caacttggtt tgaagtatac ttgcactgtg ggtattacat 300
ttcctcaaat gattcccaac tcatttttga gaaaaggcaa ctattcaatt atgtttggaa 360
gttacagctc aggtttt 377

<210> 17755

<211> 430
 <212> DNA
 <213> Glycine max

<400> 17755

tcctcgacac gggacaacct ctttcaccca caaatcgtct cagagcttag ggggcttatg 60
 tactgtccag gaccaccaa tcctaccac aaatcatccc ttaccactc atagccagcg 120
 acggtagggg tggacgacgg tgaccaaca ctcattgtag gtcgaacggg gggagacgac 180
 ctcacgtctc cacctccacc aacctacacc cctgaaagca gaaggatgga gggtcacagt 240
 aatggagact ggctccctgg aagtagcaaa aggtcatgcc cttccgtgaa ggcgagaagt 300
 gccttacta tttttgtgtg aagtcttcac cttgaagagg actcccatg agaagcacct 360
 cggtagtat ccttaaacga caaatcgtct attgagatga tctcttgatc catgatgggt 420
 tgctcaatgt 430

<210> 17756
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17756

agcttcgttc actccaagct cagttcctcg ccaatcacca caatcacatg ttgctttttc 60
 ttctttcaaa tttctctctc tctcttgtct cttctttcga tttattccaa ttgcgcaaat 120
 ctgggttggtt gcagttatag caaggaagcg ttagatgtga gcgcgaagct tctagaagtg 180
 aatccagagt gctacacagc ttggaattac agaaagctcg ccgttcaaca tcttctctct 240
 aactccgatt ccgatcctca ctctatcttc gatgacgagc tcaaactcgt gtgttctgac 300
 tctcgtcggc taattttaatt caatataata ctttcgataa ataattactt tgttttgttt 360
 tttctatgaa ttgaatgaat 380

<210> 17757
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 17757

tgtcaaatgg ataaaaggct cacattcact ttcttttaca tcatattcaa acttgtccaa 60

THE

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| agcttttgca | tgtttagata | tatatagaga | gagaaaggtc | taagttccag | agatttttga | 60 |
| gagcttttttc | tatgagaaga | ctagcaaaga | actgagcaag | aagaggaagc | tatcataaga | 120 |
| gcaggagatg | agtctatgag | tgattgtgag | gttttagagg | tggaggagac | atccccacta | 180 |
| cttgtatttc | ttcaatcctt | cattttttctc | ttctatttgt | tgtaaaggaa | gcttcccagt | 240 |
| tatggagagc | taaatccttt | gttggttctt | ccttgtacgt | acttgatgta | aatacatgta | 300 |
| tatctatnta | atgatgtttt | atgtgttctc | tgtgctatca | gtacatcatt | tcaatgtgct | 360 |
| tttgccctga | tcatgtag | | | | | 378 |

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<210>      17759
<211>      432
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17759
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7443

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 tgagaacccc agaaccatcc ccaactgaaga ggtacccgac ctcaaaaata ggtgagtaat 360
 ccaccataaa gcaaagcaga tgattaatgg gaaaagggaa ggttaggcc actgaaacct 420
 cgattaaaga at 432

<210> 17760
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17760

agcttgctaa cccatggaag ctectaatat ctcccacact ttttggggtg ggccattctt 60
 ggatgccctt gattttctca ggggccactt gtaacgaccc gcctcgtcgc tacggtatcc 120
 acactttaat atttgataat ttcaattttt ttataaaaag aactccctta atttttgctt 180
 atgaaaatag aagtgatttt gttacaacat aaattcatcc aacaacacgc cattacttaa 240
 gtgaatatac ataattacat agaaacaata attcgggtact tgcatacac ataacgaaaa 300
 ttaaataatgt tcatatatat atataattaa aattccagtt ttacatcttt aactcaacaa 360
 aataaaactt aaaaaccaac t 381

<210> 17761
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 17761

ctttcctttg gttgttctat tagggtttcc aagcgtaga gagaatgaga atagattgta 60
 gtcttaatat cactgtcttc gtgcgagggg aatttctctc tctacagaca ttattttgca 120
 aatcccaaca gtgagaatct gcgaaaatga gtttcgaagg tggtagccaa attttaggac 180
 aatctaacgg ttaatgagtt tgagatcgta attttactgg gataaatttg ggtgtatgcy 240
 agaaaaaggg aggggttttg gagaggatag agagaatgaa tttgggagga aggaggagt 300
 taaagacata tcgtaattgt aaaaattgac ctaatctgtc tctatttata gctagggtat 360
 tctgagacga ttattttttt ttttttttat aaaaatgaac tctattttac tctttcataa 420
 aataaataac 430

<210> 17762
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 17762

ttcttccatc aagtgggatt ataacacaag agcttcaagt aagtgctcct tacacctcct 60
 tgaattatca actttacctt ctactacatt gcagtttatt catttctctc catgtatatc 120
 ctaacatgtc taggactaaa tgttggtaac atgaatcttt agaatttcca ccgattaatc 180
 ttgctataaa agctaaattt gattttctat ggttcaaaat tcttggtcat gttcttgaac 240
 catgattagt gttgagttta cgtgtctttg agttatgtct tgctattttt tgtggctgaa 300
 acctaaacca ttaaattctc tcataaacat taaaggataa tatatcctct caaag 355

<210> 17763
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 17763

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 acccacgcct acgtttgggt tattagggaa aaacaccata cctaaccctg tcctaaggga 120
 tccctatcgc accatatcca aatctagaac gatgggtgat caagaggaga cgcaggaaca 180
 aatgaaagcc gacatgtctg ctctgaacga acaaattggc tccatgatgg aggccatgct 240
 aaatatgaag cagctcatat agaagaacgc ggccaccgcc gccgctgtca attcggctgc 300
 cgaagcagac ccgactctct tggcgactac gcaccatcct ccctcaaata tagtaggacc 360
 gggaagggac acgctggggc acgatggcag ccctcacctg agataca 407

<210> 17764
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17764

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 aaacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaattg 120

attatgatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaagatt tcaagtcaca aaatgtcaag 240
 aactttttatt ttcaaaacaa ttacccattt cttgaacata tctataatt caaagaaaaa 300
 catgcaaagt cgtacgtgca cacaaaattg acccaaaata ttaaactaaa aatctgacga 360
 aactaacaac attaacaa 378

<210> 17765
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 17765

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 atggcgctc ctctcacctc ttctcctttg tcttgcgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atccagctc catagaagcc ccacaatcaa 180
 gcttccatca actcctccta agaataaatt ggagttgcaa agcttaatag ggaaaataaa 240
 cttccttagg tgattcatag aaaactcggc tggaaagttg aaagcttttt caccattact 300
 atagctaaag aagcaagaag atttcgtcta ggaaaggaac aacaagaagt ttttgacaag 360
 attaaacaag tcttggtgtc gcaacgtgcc cttttgcggg cgagcgaaag cgaagctcac 420
 ggggtgcgct 429

<210> 17766
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17766

tttcttttagc ctttcatttc ttggaagcca tctacatcaa aaaaatcaaa gacacaaaat 60
 tagacaggta tttattcaaa ttagaaagca aaaaaaatc tgaaatttaa actaggcgct 120
 tagcgagatg gattcgctta gcacgactta tgaaaattaa ctcatact tagcgcgatc 180
 gaggtgcgctt tagcgagtta acacagaaaa ctactctact gcataattgg ctcgctaagc 240
 ccaattccaa aacagaaaac aatttgcgct tagcgcatat ggtgccctta gcgcgacaac 300
 aatactagag aataattggc ttagcgagca ggctcgataa gcccaattcc aaaaattaca 360

aaacaggata gaaatt

376

<210> 17767
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17767

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gatccattcc ttaaaagccc gagggagtta tgaaacaaag tattaatatt ttgcttaata 120
ccatatcaaa gagaagaagt aatatgtgcc caagtgaat gatgattgtt tgcaactcta 180
gctcacaacg ttaaagccca ttgcacatct gtagaaacta gctcccaatc aagttgcctt 240
gttgatatcc aagaccaatg ataaacctga atttgactat attttgatgt gaattttcat 300
gtcatatcca tgcattatga tatattttat tttggcaaaa ctcatgggtg ggtattaatt 360
tgtgaaagac atgtgcttaa gacgctaaat gtggaaaaga actaaaaatc atgaactttt 420
tcacctaatt agaagatcat agtca 445

<210> 17768
<211> 367
<212> DNA
<213> Glycine max

<400> 17768

tgcttgatat tcacatcaaa gatgcagtta acagggttaag tattaaatta tacaccattt 60
agtctatttt gaactgttaa tatgattata aattgatgat catatttaca ttgatgtttt 120
ttcccaacca gtgaaatgaa gacattaaac agtacttctg ttggtaaatt tcaacaacct 180
acacctcact cgattgaagt aaagggttagt catttaaaca atgctacttt aggacttctg 240
acattttgta actttgtaat tgtctattgt taaatatatt tcatattcaa tttagagtca 300
tgttcatacc ataggctatg agtgtggcta ttatgtcatg cattggatat tgaacatagt 360
cagtggc 367

<210> 17769
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17769

gtngaaaata gtgttttcat tataatgctt cttatgcttt ttcctcaaaa aactactttg 60
ttttaacttc tgacaaaagc actagaagaa acttttatgc ttttattgct ttcctcaaaa 120
cacttatcca attataataa aaatcttaaa caagtttttc aaatcatcaa aacacttttt 180
tcttttcttt taaaaagaca caaacaaca ggccttaaaa tgagaattct ttagttcatt 240
tccactagct ttctggtcct catgaacatc taactcaaat tcaatgggtt tatgaaggaa 300
aaatgccaga atcatctcat attatcagac acgatcccaa caggctagca ctgcaattca 360
taaataagtg ctataatact gcagctattg acaagctcgc tagtcttcct taacatgtac 420
gtcttctg 428

<210> 17770
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17770

tttctttaag ttnggataat tctgagaagt ggttaaatgc catgaaagaa gagataaatt 60
ccatggaaca taatggtggt taggaccttg tagaattacc aaaggggttg aagagagttg 120
gttgtaagtg ggtcttcaag actaaacgta actctcatgg caaccttgaa cattacaagg 180
ctagacttgt tgctaaggga tttactcaga aagatgacat tgattataaa gagacctttt 240
caccggcctc acaaaaggat tctttcatga ttatcatggc attaatagcc cattatgact 300
tgagagctaca tcagatggat gtgaaaactg cctttcttaa tggagattta aagaatgttt 360
gtatggacca accaatgggg 380

<210> 17771
<211> 430
<212> DNA
<213> Glycine max

<400> 17771

aaaagttgat tatatattgt gagaccatgt gttttggaca ttatctttta ataatcagt 60
caagggagta atgatagtag catagtgtca aataaattga cagtaaaata ttgtgaggcc 120

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<223>      unsure at all n locations
<400>      17772
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| | |
|-------|-------------|
| <210> | 17773 |
| <211> | 424 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|-------|-----|-------|-----|-----|------|------|------|------|------|-----|------|------|----|------|------|-----|-----|-----|-----|-----|-----|
| tg | gata | ctttt | at | tttat | gtt | tg | atgc | attt | tg | ctct | taag | ca | aaaa | attt | ta | tatt | taa | act | 60 | | | | |
| act | catt | act | acc | att | tag | at | tta | ata | aaaa | tac | aa | ag | ta | ct | ca | aaaa | aaaa | tta | aat | ct | cta | 120 | |
| gag | ag | ta | act | ta | at | ct | tc | ac | aa | at | g | att | tc | tc | cc | ca | ca | ac | ct | ata | ac | caa | 180 |
| g | ta | act | ta | at | ct | tc | ac | aa | at | g | att | tc | tc | cc | ca | ca | ac | ct | ata | ac | caa | gt | 240 |
| ag | c | ct | g | ag | tt | ta | act | g | tc | ac | aa | t | ata | aaa | at | a | at | tt | t | cc | ag | tt | 300 |
| tt | t | att | at | ga | tt | tt | tt | ta | aat | tt | t | ata | aa | ta | aa | ta | at | at | at | ca | tc | ca | 360 |
| ag | tt | ga | at | gt | ca | gc | ata | aaaa | ct | act | tc | tc | t | att | gt | tc | tc | at | tg | cat | tt | c | 420 |
| at | tt | t | aca | aa | cc | ata | g | at | gc | at | tt | c | aa | g | at | gc | at | tt | t | aca | aa | cc | 480 |

cattaatgaa atacaaccaa aaacgatacg aaaataaaat tcttgatgct cattgaacgc 420
 tttta 424

<210> 17774
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17774

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 ttaccctcgg aagcaaaaaa gaagagaagg aaaatttcca atcaaagaaa aaataagaag 120
 gaaaattccc aatcaaagag tgggagaaag caaaaagaaa agaaagaaaa ttcccaatca 180
 aagaatggga gaaaaaaaaa aggagaagaa gaagaaggaa agaaagctcc tgatcaagga 240
 tcgaaagaaa acagaagaaa tgtgcagaga ggtctttgga ccagacaata tctgaacaat 300
 acggaattgt caccaaataga acaaaagaaa gaaaaggaaa ccataaccta taagtgggtct 360
 tctccctttg attacca 377

<210> 17775
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17775

cctatggact gagcaaaaag gctcaagtca tcaaatacta ctcatctttt aaagcacaaa 60
 gcgaggattg gaacctcaac cctatgttct tttaaagac tgcaatgaga aaattacaga 120
 ggataggaat ccctggggga aaccaagaag aatacacaaa aataaaaaca tgcagcgact 180
 tccttaattg ccccaaatct taagcgtagt atcgcttgac aacgtcggag ttcacgggtg 240
 aagatagctc ctggttatcc atgttggcga gcaccagggc ccctctagag aaatcccttt 300
 ttacaatgaa aggaccttcg tagttcgggg ccactttcc catatgtctt ccagagcttg 360
 ggagactttc ttcagcacca agtccccttc gctaaacctg cgcangcgta ccttcttgct 420
 agaagc 426

<210> 17776
 <211> 377

<212> DNA
 <213> Glycine max
 <400> 17776
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 taatgtatta gaattaaaat taaatcatth gaatattatt taaatttaag aagagttaag 120
 aaaaaaaaaat cttaaagaac agatatacat gaatctacaa accgtacggt ttggtgcaac 180
 catcagtcac gttttcaacg aaggccgaat aaactatata tacataatac atggcgtgca 240
 tttgtgtcaa agctctcatc caacaaaaga aatatctthg cttttgatgt gatatttcac 300
 ttgttactac ctthaaggth gttttcaagt gcatataatc atgtttatcg atttcatttc 360
 ttttatttta ttttctt 377

<210> 17777
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 17777
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 gtaggaacca ttagcctagg tgacatctgg taaataacca gattgagata gtttggtgtg 120
 gccatgacta tagttctaath agcagccatg atattaaaag tccctttthg tcaacctaaa 180
 ttcagtttag ttaaaaaaaaa ttcagttccc ttctccctaa tttttatctc ctgtttccca 240
 cttttttctc caatctctct tcattatctg attttatttc aatgattcaa ctctctccat 300
 aacttttctc gacatgttgg aattttctth aacctagtta gattgaagac gaggaatath 360
 aataatgagg cataatattt tgccataata tagttcatth tataactcaa attaaaattt 420
 gcaaacctth g 431

<210> 17778
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 17778
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caattcattc ccaaaaactc atttcatgca aaacaatcca ttgcataaca ttttcaatca 120
gttcaactgtt caaacaagct ttttgtacaa gcagtcaaac aactacacta caactgaaat 180
ttaaataact gaaacataaa gactaaaagt taaatgattg aacataaatc ataaaataac 240
tgaaataaac taaattgttc aaaatgcaca aattaaaatg tcatgctcct gtgattgccc 300
ctgtgcatgc ttattgagat ccaacacctg aactgtgaca tcttggaat ttctaccga 360
aatntgttaa acgatatatt 380

<210> 17779
<211> 424
<212> DNA
<213> Glycine max

<400> 17779

tcatgcttat gatttatact ggtcataaag agggagtgtt atatgtagca cataggcaaa 60
taccttcacc aaccatagtt atgatgaatg atttaaatta gcatgggatt aggctgtaac 120
atagctacct attggctcct aatgagctcc ttgattaagt gtaattatac tatgaagaag 180
ggatcagtga ttaacctaga gagtagagat atacaatttt tctcaatctc aagatctcct 240
tttacattaa tgatgcacaa cctaataatg ttttctttgg gttctaaggg tttgggcgag 300
aagaccacc acttcacatt acttgatggg gagatgggta ttgatacatt gccagattca 360
cagaagcagg agagaagata ccttatatat gatatgatgg caatcaacca agtatcaata 420
atag 424

<210> 17780
<211> 379
<212> DNA
<213> Glycine max

<400> 17780

agcttgcttc tgaagaaaat ggtcgatgcg acattaaata aatgcattac atgcacatac 60
ttcttcatgt tgagaaacca ctctccatca ctagtgtgtt aaacactact atatgaagcc 120
acttcctttt atgtctgagc aggtctgtgt agaagagctc ttcttttgat ggtgattgag 180
gaattttaga acttagcttc atttattcct cataggattc aaaaattcct aggagaatgt 240
gtctgcaaaa tagatttcaa acacatggta ttaaataatc ttaatttgt atcaaatcat 300

aattttatct tgctatcatc tgaaacatca gacatcgact tcacaaatca tgttccgata 360
gtgcatgaga cataactct 379

<210> 17781
<211> 112
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17781

tctaaacttt atacaagaat gaagctctga taccacttgt tggacaagtg gcctcacata 60
tcttaagaag gggggggggg gggatgaatca cnatcttacg acttatttcc cc 112

<210> 17782
<211> 379
<212> DNA
<213> Glycine max

<400> 17782
agcttgacta ggcgagttga ttttagcctt agtttcactt tagttattag tcaattcgat 60
taagaatgag aaatcccaaa gagaaaacgt ccgattgatt ttccgcttta ttttactaaa 120
aaaagatggt ttttgattat tatatttttt ttatctcttt ttgttttcca acgttggtac 180
ggcatgaccg aacggtcaga attcatttta accgaagtta acggataata caattcaaac 240
gatcgggtgga aatttatttt atttttaagt taagcgagaa atgacttaag taaaatggct 300
taagcacgtc aaaagggggg ataaaaagta aatgaaatga gaataaaaaat atacgaaaca 360
caatgtggac cactatggg 379

<210> 17783
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17783

taacaaactt acaaatcaag tgatcatgta ttccgaaata taggggggaga aaacggatgc 60
acattttatc tatatacaat tgtttggtgc ttgcttgaat cttgatttca ggtattgtat 120
tgtcatcatc aaaaaggggg agattgtaga tgcaattggc tttgatgttt tgatgatgat 180

catgatgatg tgttgcaatt gatgcaaagtg ggcttttcaa gattaaaatt caagacaata 240
 cttcaagatt acaagtcaca acatcaagat gatcactaga agattaggaa gggaaattcct 300
 aattgaatta gcaaagggtt ggccaagtga tttaaaataa aaagtgtttt tcaaagcttt 360
 tactctctgg taatcgatta ccagaggatg taatcgatta ccagtggcca aatacgtntt 420
 ataacagcta taa 433

<210> 17784
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17784

agcttttggtc ctattcaaatt agccataact tttgacatgg gggtacgatt gaggcccatg 60
 atatatcgag aggctcgaaa ttgaaaaatg gaagttctcg agaaattcaa atggtcataa 120
 cttttaactt ggatgtccga ttcacgcaca taatatatcg agacacacaa aattgaaaaa 180
 tggaattctc gagaaattca aatgttcata acttttgcct cgaatgtcag atttaggcac 240
 ataatatatc gagacgctcg aaattaaaca agaaagctct ggtccaattc aaacggccat 300
 aacttttgac atgagtgat gattgaggcc catgatatat agagacgctc gaaattgaat 360
 aatggaagtt ctcgagaaat taa 383

<210> 17785
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 17785

agcttcaacc aggggagatg gaccatttca agtgcttgaa agaattcttg acaatgctta 60
 caaagttgag ctgcccgggtg agtataatgt tagttccacc ttcaatgtct ctgatttacc 120
 tgtttttgat gcacatggag aattcgattt gaggacaaat ctttctcatg agggagagaa 180
 tgatgaggac atgaccaaca gcaagggcaa ggatccactt gaaggacttg gaggacctat 240
 gacaagggct agagcaagga aagccaagga agctcttcaa caagtgtgtt ccatactatt 300
 tgaatacaag cccaagtttc aaggagaaaa gtccaaggtt gtgagttgta tcatggccca 360
 aatggaggag gactaaatga caccactttg gttcaatttt agagtgttta ctta 414

<210> 17786
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 17786

ttcttctcaa ggaagttttc ttaataaagc ttctcaagga agctacctag tctataaata 60
 gaagcatgtg taacacttgt tgtaactttg atgaatggga gtcttgtgag acacaactca 120
 aagttcaact tctctccctt tttcttcctt caatttcattg ctccccctc tctctttctc 180
 tccctctttc ttttctcca ttgaagcatt ctctccaagc ttcttttcca aggctcattc 240
 tgggtggtgag gctccttctt ccatggctta ttccctattg gatgggcctt cttctcacct 300
 cttctccttt gtcttctgct gcattctgat ggtggaaaat caccattaaa ggacctcatt 360
 gtagctc 367

<210> 17787
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 17787

tatgctgcaa acatctacaa tagacctcct catcctttca gcaaaatcaa ccacagtaga 60
 ataattatga cctctccagc aacagataca atcccagatg gaggaatcac ctgttagaca 120
 aatggcctaa gttatcttaa gaaggggggg ttgaattaag ataacaagaa ctattcccca 180
 attaaaattt tactctctct ttttagatta acaatgcacc cttaacatga attactcaaa 240
 agacaattca aaataaactt ctttcaagcc aaagataaat agcaataaat aaaagaagtt 300
 taaggggaaga gagaaatgca aacttgattt ataccagttc ggtcacttcc tgtgcctacg 360
 tccagtcctc aagcaaccca cttgagattt tccactctct ttgtaaaatc cttttacaaa 420
 gtctg 425

<210> 17788
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 17788

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ctatggacca actctgtcgc tgaggaacat gacactggcc caataatgtc gatatatgaa 120
taaaagctct atctgggtga gtggatgcct ctatggcttg atatctatgt gtgagtcagt 180
gcatgtgtgt ataagatttc tctctaggca taccatacac aactctttat acaaaaatga 240
aaccacctga attattagcg aggcacagct tgcccatgat cttattgatg gcactagcta 300
agagatcttg tgctagagat ct 322

<210> 17789
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17789

tgacttactc ttccgtggct acaggatata ttgtctctta gactacttgc ggaatccact 60
acgttcatca atgacaatag tcaactacca tagcgtagac atcttgcat actgcttggtg 120
aaaaatgcta tccactcatc gcagctgggtg atcatgacac aatgctccat gactagagcg 180
caatgtccag cctctccacc gcttctaatg cgattcagaa gacttgggat tgatgtgaac 240
atatcttcgt tagaagcgtc tccactcatc aacgctcagc tgtttatgtg gcacgcgttc 300
aactcaagat gtgaatcaat acctctgtgg atggcacttc attatgctta gcatataata 360
tactcatcgg agtgcattac cgatgggtctc tgtagatgac aactagacta gctgtatgtc 420
ctatgttcn 429

<210> 17790
<211> 377
<212> DNA
<213> Glycine max

<400> 17790

tgcttgcaca acaagtaact aattctatctt ttacaaaat gaaataacta actaactaac 60
taacttccac taatatatag agcgactact cagaaagaag ggatgagcct taattaatcc 120
catctaatat acctaatata actaattaca caaaacaaag cccaaattcg cagcccaatt 180
attcaagtgc ggagattcta acttccaagg ttaatttgac cctctaaatg gcagaattgg 240
ccaaagctta ttggtgaaaa aatagaatat ctttttgcta tctttctagg gactaccac 300

aatctccatt ttgagttatg tagtgctgctc taggatctac acaaggaaaa taggtcaagt 360
aaccacaaaa atccaaa 377

<210> 17791
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17791

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aacacagtta taacaatgga gtagcaagat ataagtatca gagtagtaaa tacaataagc 120
caaaaccata atcaagaaat aatcaaacca aaattcaaag atcataaaat gtcaacaacc 180
acaaaatata caagactaaa atttaagaac acaaaataaa taagcaaagt acttagcata 240
ataatgtaaa ttctaagaaa ctaaaagcca aaatacacgg cttataaaaag ataaatattc 300
agaatctaaa atctaagaag acggaggagg tgggtggaaga tcgaaactct gacgaatgta 360
tccgacatcc tcttcaagct gtgtaagacg aatgtccata ccggcaaagc gtgaatctaa 420
cgagtcaaag cggg 434

<210> 17792
<211> 359
<212> DNA
<213> Glycine max

<400> 17792

ttgtcttttag acaat'aggta agggaaatct tatcttatgt tctattgctt aatctgattg 60
gatgggttgt gtatgctcca aagcatgttt gattttctat gggtttatgg aatttggtgt 120
tggattgcct ttagagtcct ttccctttgt atgcttttga ttgagaatt cttgatggaa 180
tcttgatat gttaattga ttgctgattt atgttttttt ttggacttgt gttgagttct 240
gagtcattta tgagtgtctg gaggggttgg gagtgatgaa aatgcgttta tgttcacaag 300
aaccctgaaa ttgcaagttg tagagtttgc atacttgcta agcaagacaa gctcattgt 359

<210> 17793
<211> 429
<212> DNA

<213> Glycine max

<400> 17793

taacaatcct tgtgatctat tacaggatat ttctattcct atcacatagc ttgcatcact 60
catatccttc atttcaaagt tactagaaag aaacttctta gtctcatgaa gaagaccaag 120
atcattagtt gcaacaatat atcatcaacc tacaggatta gaaaataacc ttactccac 180
tgaccttcag atatatacac cgatcaacag tattttcctt aaatccaaag gaaacaatgg 240
tatcattaaa cttcaaatac cattggcgag aagcttgctt aaaaccatat attgatttct 300
ttaatttgca caccatatgt tcctttcctt caactgagaa cccatttggg tgatccatat 360
aaacattctc ctctaaatct ccattaagaa aggcaatttt cacatccatc tgatgtagct 420
ccaagtcac 429

<210> 17794

<211> 379

<212> DNA

<213> Glycine max

<400> 17794

agcttaaagt atgcccagat cattcatccg tatgagatgt tgttgaagta ttggcgatca 60
gaattgacat tccttggatt ataggggtga accaaactca tgcttttaca aaaagggtca 120
tcaagtcaag ttgaaatatg gaagtaaccg tcctgcaaaa ttggggcaaa agatgaattg 180
agtcacatca ctgcttcgtc tactgccaaa catatttagg attgttgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gatcatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatact tcaactatac atcattcgca tacatccatg 360
cttttcattg gttgcattg 379

<210> 17795

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17795

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cgacagtcac cgcttttagga gcgttggtaca ccagcagcgt ttcgaagcca tcaagggatg 120

gtcgtttctc cgagagcgac gcggtccagct cagggaggac gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcaccact gggtactccc atggccaagt ttgatccaga 240
 aatagtcctt gagttttacg ccaatgcttg gccaacagag gaaggcgtgc gtgacatgag 300
 atcctcggtt aggggtcagt ggatcccggt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtattggaag agggccagga atgtgagtat ggccagagga ggaaccggtc 420
 tgatgggt 428

<210> 17796
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 17796
 agcttgtgta tgacttgctt aaatatatga agcttgagtt caacttgttt agtatgtata 60
 tagcttgatt attttcattc cctttatcaa atctctcaa gtatttttta agtttaataa 120
 tttggatttt ttacactaga ataacgtcaa aatagaatta caattttaaa agtaaaagaa 180
 gtaattaagc ctataccttt tgtatgcaac attttcattt cttttaaatg aaattttact 240
 atctatatga agggaaaagta gcactatgcc ttttgtctca actctcaagt ctaaagttgt 300
 gccgattaat ccctaaaactt taactaatgt cccatatatt ctttcatcaa tatgtcattc 360
 tagattctt 369

<210> 17797
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17797

tgtgcgaatc aaatcactcc tgcattntat ctctagcatg cattttttct ttctttaccc 60
 actcctcacg tttggttttt tagggaaaaa caccataact aaacgcgcca caaggcatcc 120
 ctatcgcacc agatccaaat ctagaacgat gggatgatcaa gaggagacac aggaacagat 180
 gaaagccgac atgtcgactc tgaaagaaca aatgggttcc atgatggaag ccattgttag 240
 gaatgaggca gctcatggag aaaaacgtgg ccaccgctgc cgctgtcagt tcggctgccg 300

aagcagaccc aactctcttg gcaaccgcgc accatcctcc ctcaaacata gtaggacgag 360
gaagggacac actgaggcac gatggcaacc ctcatctggg atacaaccga gcggcttacc 420
cttat 425

<210> 17798
<211> 365
<212> DNA
<213> Glycine max

<400> 17798

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ataagtatga atcttttttt tcaaaaactg agtatcacat ggatttttct caaaacatgt 120
ttaccaaaga gtttttactc tctattaatc gattaccaga ttattctaata cgattaccag 180
tagcaaaatg gatctgaaaa agttttcaaa ctgaatttac aacattccaa ttaatttcaa 240
aaagctgtaa tcgattacaa tgtgttggtg atcgattacc actgcctgtg aactttgaaa 300
ttcaaattca aatgtgaaga gtcacatccc ttctcacaaa agctttgtgt catcaatgac 360
actga 365

<210> 17799
<211> 413
<212> DNA
<213> Glycine max

<400> 17799

taagttcttc atctgatgtc ggagccatct tcatcattgt ttgaaggaat tccgggggaa 60
gctcatgtcc tgatgtaatc agtcaaaacc atattgtaag tctttcatac aagcgggaaca 120
agacaactaa acaattttctc ttttaaactt caatatatta tcatttctga taaataaatt 180
tcatcatgat caatcatgta aagttcaaag caatcaatcc actgggttaca gaaataatca 240
tctcaacagc atagccagga catgactacc acaatctatc ttccccggtt tttaaactg 300
atgatcaata ataatgttaa acagcattca aacctatcaa caacaccaca gcaatctatc 360
ccctcaactg caaagacatg acgataagag tccatattat actgcaagtc tac 413

<210> 17800
<211> 379
<212> DNA

<213> Glycine max

<400> 17800

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agcttagcta cacacacccc tctaataact aagctcacct ccttgaaagg cttccttgaa 120
aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180
ccttgatatg agaagctaga acttagctac acacccccta taatagctaa ctcaccccca 240
tgacaaaata catgaaaata caaaaaaagt ccctactaca aagactactc aaaatgcctc 300
gaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc ctaaacgaag 360
gagaaaacct atcctaataa 379

<210> 17801

<211> 453

<212> DNA

<213> Glycine max

<400> 17801

taggacactt aaatctcagc ttccatatat ctctcccaag agaagcgggc atgtaactta 60
tggtgacaac aacaaaggta gaaagaattc ttggagttgg aaaaacaggt acaaattatt 120
caaactccat tgaaaatggt ctacttggtg aaggccttaa gcacaacttg cttagtgtta 180
gtcaattatg tgataaaggc tatctagtat catttgattc tcaaaaatgt ctcatgaac 240
ataaacatga tactaatata aaacatatag ggtatagagt caacaatggt tatatgatag 300
acataagcca aaaattagat aataataaat tttttcttag caaagatgat gatccatggc 360
tatggcataa acgtattgct cacataaaca tgaaacactt aaataaatta atttcaaaag 420
athtagttgt tggtttgctt aaattgaaat ttg 453

<210> 17802

<211> 372

<212> DNA

<213> Glycine max

<400> 17802

agcttggttt gaaagtcaga ctcttgccgt gcactgtgat tatgacgcta gtcttatatg 60
ggagtgcaga gcatcataac ttcttctctt tcttggtctt gagaggttgg tctagagacc 120

ttgaagcgaa aaattgttgc taagcatgca cacccttcaa tatatccttg ggcattctca 180
 attgtcaccg gaattcttgc tcatgttcac gagacacgat gaagcttgat atctgctcga 240
 gagacctgca ttcttggacg cacccttctc ttgggagtcg tgactatgac acgaacaggg 300
 gtcgatccaa gtcttgcgac ctatgcttgg atttaacctc tttgaacact gtgatgactc 360
 aagaaaatgt gc 372

<210> 17803
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17803

tgtagtgcga gagaggacta gggacgccac catgattatt tgtgaccagc agtgacgagg 60
 accatgactg aggtccaacg atgatgatgc cagtgatggg caacggcttt agattcataa 120
 ctgctgngag ttttttatat taagcacaac atgaaatctc gactcgcgag gcttggacta 180
 cctcatctcg ataatgacgt cggttcatac actatgtaaa ctggcagact cctctcacac 240
 gtcagagtct accctaactc gaactattct agtgcagtat aattttactt atatcacact 300
 agttaacgtg cgattttaac tagcatgcac tacagtgcta ctgctcactc tagcacttct 360
 cattagcata gattcttgc 380

<210> 17804
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17804

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 aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaaacttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaggagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcacc tagccttaga tgggtccagcc 300
 ctgagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360
 catacattcc tccaccaatc c 381

<210> 17805
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 17805

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atggccccct gcattcagaa caaaaccct accatggatg cagagacggg aagcaaactc 60
ttgaggatca atcctcatcc tcgtaaatct ggaataggta ggcagtgtct caccctcctc 120
taaaactatt ggggtttcaa agaaggtatt taggctgtca gcatcaatct tgattaagtg 180
tcctgatgca atcctacccc gcaagggcat tggatagaaa actccaagta gattggggcca 240
aagatgcaag agaaggcctt aggggttctta tgagccttaa ggtagatttc gggcccatgg 300
gctaagtatg agcccaacta tctttgtaaa tattagatta aggtttcatt atttttgggc 360
cttgtattta gggctccata atgtaagtag ggtaccctag aaatatagga tgtttcagcc 420
ctt 423
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<210> 17806
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17806

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agcttcaact taaaaagagt agtttaggct tagcgcaaca agcgcgctaa gcccaactgct 60
tgaagtttaa ttccaatgaa gatgttgggc ttagcacagt gatgtgtgct tagctgaact 120
attcagccaa ctagccaggg gtctaagcac ttagcgcgag caagctcagg cttagcatgt 180
gaagatatgg cgcttagcgc aatgggttgcg cttagcggat gggtaactga aaattttttc 240
tgagtctttt ttgtccatct cttcacctag gcttaaaaac ccccttggtt cactactaaa 300
caagctgaaa aattaatcac aatcacaagc aactatccta actacatgca agagatacaa 360
aatgaagaat agaaaaggga 380
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<210> 17807
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 17807

tgcattgcaaa atagacaaaa aaggttgctt tagtttgcaa ttttcatgtt ctttattaat 60
 taattaatta ttatcatcat tttttttttg agtttgcgta tcatatgttt atgccataac 120
 tgtccttgat ttcagcctag tcaactccct tcacagtctc atgtaccaga tttcgaagtc 180
 atcaacacct ctttacttta attctcacca agtcagcatt ctctgcatgt atagcaacaa 240
 tattttaaag aagaggtaag cttactcatt ttttctcatt tcctagttgc aattttttgc 300
 tcaagaataa gccattaata atttcttgct tgaactatta ttgaatctct taagtgatta 360
 cttaagtaat aaaattattt aagtaatcta tgaagtattg atcaatattt attactttaa 420
 ggactaaatt gaa 433

<210> 17808
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17808
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 atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120
 ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180
 gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaata 300
 actttatatt cggatttgcg attgagtcgc gtaatatatg aagacgctcc aaattgaaaa 360
 cagaagctct gaacaaattc 380

<210> 17809
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17809

cttgagccaa ttcaaacgac aataactgtn tactcgaatg tctgattgag tcccataata 60
 tatcgagacg gtcgaaattg aatgttgaat ctctgagcaa attcaaacga caatagcttt 120
 ttactcggac gtctgattga gtcccgtaac atatcgagac gtcgaaatt gaatgttgaa 180

cctccgagac aattcaaacg acaataactt tttacgcgga tgtctgattg attccccgtaa 240
tatatcgaga ccctcgaaat tgaatgttga agccctgagc caattcaaac gacaataaat 300
ttttactcgg atgtctgatt gagtccccgt aatatagcga gacgctcaaa atggaatgtt 360
gaacctttga gccaatcaa acgacaataa ccgttttact cggatgtctg atggagtccc 420
gtactatatc 430

<210> 17810
<211> 363
<212> DNA
<213> Glycine max

<400> 17810

ctttttatag aatatatact agaagaacag tgacgattga acagtctata catgtttcct 60
ttgatgagtc taatgccatt cttccaacga aggatctttt atatgatata ttccattcct 120
taaaacatac acatattcat ggaaataact ctacgaaat atatgactga agccatgaac 180
attctcaaga taatggggct ataggaaata atgaactttc aagagaatgg aaagcctcta 240
gagatcatcc tctcgacaac attattggtg atatatcata aggggtctca actgcacatt 300
ctcttaaaga tttatgcact aatctggcta ttgtctctat gactgagcct aaaaatatga 360
aag 363

<210> 17811
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17811

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tgtctgaaat tttgtggggc tgagtgaaga gagagagagt tgcttttttg ttttaaata 120
aagggttttc tcttttttct attattttat tcaagctatg ccacatgtct tcatttgagt 180
ggagcaagaa gggcccaact tcccttttta attgtgactc atactcaacc acaaaaagt 240
agaaaaacct gacctttgaa acgctaaaat cctgccttgg tttgcgtgcc gtttctctg 300
ttccagttcc tcaagtttct ctgcgtccgt cggggccagt tttcgaaagc aagcaatata 360
tatatcaaaa tgctcagaat aaaaccccga gcgtgggtca gaggttggtt ttcgtaaatt 420

ctaagtc

427

<210> 17812
<211> 374
<212> DNA
<213> Glycine max

<400> 17812

agcttgaagc tcaagaaaaa gtttgaagaa gttttttggc ttttacatgt ccaactcctt 60
tgagtgcacat ttgtattggg tattaacttg attattgcat cttagtacat cccgatattta 120
ttttgcattg tgcacatca tagtgtgagt gaagaaaatt ttctaagta gaaaaatttc 180
ttcagaggca aaaactctat tttaatcgat tacaacaagt tgtctgaagc ttaaagagtt 240
aagtctcgta ttgggttaaat caattatggg agtattttta ttggttacat ttttgtttga 300
gacaatgact gattttttcag gagtctctac tttaatcgat tacctgggtg attaatcgat 360
tacttctctc tcat 374

<210> 17813
<211> 429
<212> DNA
<213> Glycine max

<400> 17813

tgtaggatta tgggggtaccc atcacatgtg gtactatgtg gcggtcgggc gatggtgcac 60
aacaagtttt ccacatccac aatgcacgca taaaccacc atcccctgtt gcccacctcc 120
aactgagctc acgtactccc acgtagccca tatectcgtt tctctcaaca ccgggtcccc 180
atcaatcctc ccaagcttcc acaacatcca agaaaaacaa cattcaaaca gcacaagcta 240
tcacagccaa gcaaaacaga gttaaaggcag aaaactctgc tcaacacatc aacaaaaatc 300
acagcttttc tcaactaaag accacagtaa caattccttc gatccaattc gtttaaccgtt 360
ggatcgactc caaaatttta ctggaagtct atagtgcata agcctacatt gtaaccgttg 420
ggatctact 429

<210> 17814
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17814

atcttttaaag cacttctcag tactaaaaat cctaactata catacaaagtg ggtgatcaag 60
ccacaaacat gcaaaaatga gcatagatag aagcaatgaa cacataaaaa taacattaaa 120
tagatagtaa gataatttta tatcaaaggt tcagcagaac tccccaatca agagggttag 180
ccttccatta caagtaatga gctttcaata caaaggccag attttgaggg aagaaaatgg 240
ctaaggaggg ttgaggatgt ctcttcaac ctctagaacc ctaatctcac tcttcccacc 300
tagactctct tgggtggttc gtgtttgtcg ctctagcttc tcccttggt ctgttnttcg 360
actcctctct tagtttcca 379

<210> 17815
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17815

ggacctatga aactcagctt ncatactggc gctcanaagg atttgacctg tgaggatatt 60
caggatatttc aactaaattt tgaatgttgt tataatatgt tgcactaaaa atcttaattt 120
gtaattgact aactacaaaa tgtatttatt atatcataga ctaaatttga tattcctgaa 180
tcatctaatt tgagtacaaa gaaaaagaaa cttcagatcg tacgagagaa gtggatgcaa 240
tctaaatcag atttgacctc caaatatgcc ctggcacacg acaaggaggg caaggatgac 300
aaagtatgca agaagtatga cataagcaaa gagaagtgga cccagttttg tcagagacgt 360
agagaccctt catgggagga taattgatta tcattgtgtt ttaaacttca tatgtacgta 420
ttattgtcga ctgtattaac ttac 444

<210> 17816
<211> 374
<212> DNA
<213> Glycine max

<400> 17816

agctttattc tcagatccct cttgttggac tagacttagc ttgaatagct tatgaaagtt 60
tagactaatt tagcctaagc tttgtcctca gatccctctt gttggactag acttagacca 120

aacaacatta ttgtaacagc ataacttaaaa ccaaaactta atccgcagat ccctcttgta 180
agactaagtt tcaattatgc ttcattcaag ttctaaggaa accatacatt ttccaatggt 240
aaaatcacct aagtatgcac acaaattggct gatcagacaa aagcatacaa aatttaagca 300
cggaaagaag cattgaacac aagataccca atcaattaga tatgataata attaaatctg 360
ttgttcagta gaaa 374

<210> 17817
<211> 427
<212> DNA
<213> Glycine max

<400> 17817

taacaaattg tttctatagt ttgagcttga ccttttttatt tataaaagct ttttaaaaaa 60
cttgagttaa acctttatag taaataagcc gaaccgagcc gagccttaca taggccgagc 120
caaaggccct tgacaagctg ctcggctcat ttccaccctt attagtgact atatagggtc 180
acctgtgtat ctttatctat tttattcgaa catgtatggt tgggttatgt atttatttta 240
ctcgccgact cagagtatta acgcgttgaa cagttactac attttattat gcacatttta 300
aagatcaagt gatgttttat gaaattggat aggaaagttt ttaatctccc aaaaatttcc 360
gctatTTTTT ataatctttc aagttaacct tatggaacac tgatgactat ctttttctta 420
agtaaatt 427

<210> 17818
<211> 379
<212> DNA
<213> Glycine max

<400> 17818

agctttatcc tttgacatta gcttattgtg ccttctgaaa cacacaacaa cctttattgt 60
gaaattgtaa aactctcata cccttgattt tgtaaaacac gccaaagtcct tctatagttg 120
cattattggt tgagaaatct aagaaacaca ttatTTTTTg catatTTTTt tattgggtcaa 180
aatttattaa aaataatgaa attgattaaa tgtgatagtt ataattcaga atataagata 240
gtgatctaatt tattgttggt cattatttaa tctcattttt agttgagata aattagacaa 300
acacttttag aatagataac catgtgaatt taataatcca aggctgacta aaacggcctt 360

ccagtctcac gcagttgat

379

<210> 17819
<211> 430
<212> DNA
<213> Glycine max

<400> 17819

tgtccttggt ttaaacaatga ttatatacatg atttatgact ttaggattc aatttgggca 60
aaattggatg agggcaagtg tggtttcgaa aatctgcact ttatgcagaa ttttgctgtc 120
aaatatgtgc agcagaatgt tgtatatgtg cagaaaaatg cttgtgtatg gctggtggtg 180
gaaagggtag tacatatggg gttctggata tttgctagca gatccaacg gtcaaaatgt 240
agacttatgt aatagagact tccagtaaaa ttttcgagtc gatccaacgg ttaacgaatt 300
ggaacgaaga gaatgttatt ggggtatttg agtgtgaaaa gctgtgatat tgatttgtgt 360
tttgggcaaa gttttctgcc tctgctctgt tttcttggt gtgttagttc atgatgcttg 420
gatgttgaat 430

<210> 17820
<211> 370
<212> DNA
<213> Glycine max

<400> 17820

agcttcagct gacattggga agcaaaaacc catacctctc atcatagtct ttcttgtgta 60
tgccgattga acttgcaggt ctgttgtgat gtggctttga catgtcacat tgacatatca 120
aacttttcct aataagtaaa ttcaaaaatt tggagccggt gttattgcta aatgttagat 180
gcattaatgt tttaaagat gaaaatacca ccaaaaaaat tatttgaata agtctttcaa 240
cactgtgtca tgactacaac attttaaaaa aacagacccc gagtgtatgt gttcatcact 300
ctcaccgaaa ttaataaaca ttcattgttc tagtgtcttt taactggtca gataacgtcg 360
gcgacccatg 370

<210> 17821
<211> 425
<212> DNA
<213> Glycine max

<400> 17821

agttacctct aaacagggtc ttctagtcac gtggataact gacaatatca actttttggt 60
ctctgttagg catttcaatg ttgaaatata tcttgaagcc tttcttcttg ccttcatcac 120
agatgggtaa ccttgagtag gttctgttac gaaccatctt catgtcaata gctctactga 180
tatgaagaat tgggtggataa gatgtagctt cattaaaaaa tgtacatctg ttcagaattc 240
tagctatcat atccaactca atctgtgagg gatttagatc aacaggatta ttgcatagaa 300
atcttgtaat aggcgtacgg atgttaacat ttttagacca ctaaactaa gaagatgagt 360
tctcttgaga tggatccatt ttgtttcttg aggatgtaac aatggagatc ttctcaaag 420
gatca 425

<210> 17822

<211> 376

<212> DNA

<213> Glycine max

<400> 17822

agcttatggg gagggtaggc cacaatctca accatgattg atgggtggaag gtacccttga 60
aacaacacaa tgtcccaaaa accctcctgg tcaacaaggt caccacttt ggactggaga 120
aggtcctttg gcaaatcatg aataaaaaaa tcataaacia cattgccttc aagtcataaa 180
tctaacaaa agtttacaaa ctatccattt cccactaacc ttgttcttga tcaatgctgg 240
attgaggatg tccaagcga attagaccaa atcattttga gtgatgtaat ttctcttcta 300
ttcattaata aaatatccag cgtattgatc ctaaaaaaaa aaaaaaact ctgttgatag 360
caciaactac cattac 376

<210> 17823

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 17823

ntactgaaaa tggatcgtgt gtctttcttt ttttaattgga ttgatgtgtt gagttggggc 60
ttgaatgaat caaatattaa attggcactt tttgctgatg gctcactgat agtgccgtgt 120

tgcaggaagt cagccgtttg cttactgggc ttaattgtgg aaaagcactt gaagcagttt 180
 ctctcccaga atctgcaact tccctctctg cggaacatgg ttttgacatc caggtatgat 240
 tcaatccact ttttactata tgggtttttc ttgtgtgtg ttgaactttt tttttaatgt 300
 acttggtta ttagtactt gtgtgtgtg taactctttt ttaatgtact tggcttaaatt 360
 gtatttgagc tgtgttgaac ttttttttga agaaataatt gattnttact attgagaaat 420
 tcttg 425

<210> 17824
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17824
 agcttccgtt cctgagagaa attctcattt gagcgtttca gcctttgctt tctgttagct 60
 taggaaaaac gccatttctt ctctctctt ccttccaaaa ccatttctaa cgtcccaagc 120
 actttctcca tcaccacaaa ccaccattag ccaccacaaa ccgccgttgt tctccgttgc 180
 aacccacac tgagagaaac ccttcgaccg aagcggatc ttccaacttg gctcgcggtt 240
 tcggtagaga atgaaatcct agtctgacct ttcgttttcc ttcgaggtaa ccattggttct 300
 acgcttggtt cttgttagtt tcaacttgtc ttgtatctt ttctgacttt ggaaccgtca 360
 ttgcatgttt tacgttt 377

<210> 17825
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17825

ntaaccgaaa cactaagaaa gttgccaact aaattgcatg ttagtcaacc tttaccttca 60
 tctattttgc aggttacagg ttgcacactt tatggtggag ctcatgggtc aggcttgtgt 120
 attcccacta aagaaacgtc tcatgaagtt aattacatgg gaaaccagcc tggacaaaat 180
 tttaatgcag gtggattttc tggatttcaa catggccaac cttaccagca acataatcaa 240
 tggagaactt accctggtaa ttagttcaat aaagtccagg gtgggccacc taacaggcca 300
 caacaacaag ggctagctt atctgagaga acaacaaagc tggaagaaac tcttgctcag 360

tttatgcagg tgtcattgac taatcataag agcacagagt cagccataaa aaatctagag 420
gtct 424

<210> 17826
<211> 375
<212> DNA
<213> Glycine max

<400> 17826

agcttggttta ggatgcttta atggaggaaa agaaagagag aagggggttag catgaaattg 60
aaggaataaa agaggagag aagtggaact ctgaagtgtg tctcataata ctttcattca 120
tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
agctttcttg agaaaacttc attgagaagc ttctttgaca aaacttcctt gagaagctag 240
agcttagcta cacacacccc totaataact aagctcacct ccttgagaag cttccttgag 300
aagatttcta aagaagcttg agcttagcta cacacacctt tctaatagct aagttcacct 360
ccctgagatg tgaag 375

<210> 17827
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17827

ntgacttgag tcatcaagag attataaata tgtgaccttg acatgagttt caataatcat 60
caatcatctt tgaatcatct atctttcaat cttttttcaa catcatctct caaacatctt 120
tcaatcaatc tttcaatata tttctaaaga attttctgat tcatttctct tcttctttct 180
aagagttttt gttcaatata ttctctttca agaaaagttc attgttcaaa aacttggtgct 240
attctttttc ttcattctct tctccctttg ccaaagaat agaaggacta accgccagaa 300
ttgttttggt tatcccttct ctctttacaa aatattcaaa ggactaaccg cctgagatat 360
cttttgtttc ccttttcaaa gattcaaagg actaaccgcc taagaattct ttgtgccaac 420
acattgga 428

<210> 17828

<211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17828

agtggtgtag tncctgatgt catcgcacac tccacggcga tatatgaact cgtgcccccg 60
 ggggatcctc tatgagtcga ctctgcatag cactgcatag ctttggtgta tgtattgtca 120
 ccacagacat actaacgagt tctgtcacct gtatcttgca aagatttcac tactcaacat 180
 atgataactt tgatcgctag taatcgggta ctcatctgtg ttaataatag aggaatgttt 240
 ctccgcatat actatccgag gaccatacta cactgtaccc ctgacgcata ttatcatacc 300
 ttcatcataa ctctaactga actcttgaaa caaataaata agatattata atgtaccttt 360
 cttaataata atgcatacta acttgtataa acatatcttt cctatatattt aaatgacatc 420
 attttttaaa taccttctat ctttcaaagt gtctaattgg aactgaatat cttaattaca 480
 tcattttagt gacatatattt actttccaaa aatattaaat attaatatct cattatctaa 540
 tc 542

<210> 17829
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 17829

ttgtctttta agataccttg attcgtcagc catttcttat ttcttaattt tgcactacta 60
 ccattaccaa ttcgccacct aacaccctcc ttgacatcct tccagctaga tcatatgccc 120
 ttccagaaat ttgagctatt catctttttt ttccaccact ggaaggaatg ccattatttc 180
 cacacttata cttggctctc actacatcgg cccatagaga attcccgttt agtgcaaatt 240
 ctccaaccag atatcataca ggacttattc atagcgagag aagatcttaa gccacacca 300
 ccaatctatg ttggcttaca tacatccttc caagctattg catgaactgt cattgcgttc 360
 tcctcctcac acacgaacgc tctacatttg tcatcaatct ccttacaaat gtaagctggg 420
 atttcgacga tt 432

<210> 17830
 <211> 352

<212> DNA
 <213> Glycine max
 <400> 17830

agcttattct gcaaacatta ctaatacacc tcctctacag caaaaccaat aattgcataa 60
 taattatgac ctttcaagca atagatacaa tccagggttg aggaatcâtc caaatctgag 120
 atggacaagt cctccacaac aacaacagat tgtgcctctt ttttagaatg ctgtctagac 180
 aagcatgccâ tatgttgctc ctccactaca gcagcagtca catcaaagac aacaagcaac 240
 tgaggctcct cctcaacctt tcttagaaga gttagtgagg caaatgacca tacagaatat 300
 gcagtttcag caagagacaa gâgtcttcat tcagagctcg acgaatcaca tg 352

<210> 17831
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 17831

tgaccctggt gtaagagggâ aaaaagtgaa agttaatctg ttgcaccaac aaagttcttc 60
 aaggaccaga aaaaaggâac catatgattg aaatcttgct gtagcattga tcaactcâc 120
 tagaacgttt agaccgtatt tccaaaacca ttatattâaa gtgataattg atcatcccat 180
 tcaacgagta aagagâââat ctaagcttac aagtacaatg gtagcgtgga tagtcgaact 240
 ttttgâgttc ggtttgââat ttgâgccâag aggtgccâc aaagggtâgt acttggtcga 300
 cttcatggâc gagctacttc ccaatgaagg ctacaacgâa cgttâgtgga cattatacat 360
 tgatggaact tctaacaaca atâgtactgg tgttgggggtt actctgâtag gaccagatgc 420
 catc 424

<210> 17832
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 17832

agctttttct gaattggâga gtgatttgat ctgcâgcata tgâgattctt gagâcâacâg 60
 ttagggâagt tgtccatcca agttgâgtt gtcâttgcâc gatcâagctt ctcâagâatt 120
 ttgttggggg aacctttgct ttttgtcgtg cattgctttt ttaâatccâg ttataâgata 180

atttgggtga gggttgagac cttacttttc atcacgagag agtatgtcgt tgaagtcac 240
catgatacac cacgggagag tgttgtcaca cgaaatgggtt cttataaaat tccaagagtt 300
cctccgacga gttctgtaaa gatagccgga ataactagta tagcgccagc tagggcttcc 360
aatcacagag atccc 375

<210> 17833
<211> 433
<212> DNA
<213> Glycine max

<400> 17833
tgctgtgtaa cttgagttaa ttattagaac tacaatttat ccatataagc agcacaaagc 60
gaccgagagt gtcactgtg ttttccccta catagtacag aaaagagcaa gttgataaac 120
tcaaagtagc caccacttat acatggacca tacatgtcac agaagacaaa gaactggtac 180
ttactgtgag caaagaacat gggtgaaaaa ctaaacctgt caaataaata acaaatagaa 240
gttacaacca tatccagagc taaacgaatc aaaaatgaaa accctaccgt tggttgatat 300
gattactgta tgtatcatca acatgggtag gctcaatata gagagcctga gaaagggagg 360
agggagaaaa agaccagatt tccttaccac aaaattgtga ccatttggtg tttgggaggg 420
cccctaatat cat 433

<210> 17834
<211> 370
<212> DNA
<213> Glycine max

<400> 17834
tttcttcaag ccagggtcag attctcgtgc atgcataggc ttcttcaaga aaaactccaa 60
actccctttg caaatctgat tttaggctta aataggtggc cttgttcgtg ctcatgcgct 120
tagcacacgt atggaccgct taacgcacgt tagggatttt tggctcagcg cgcttctctc 180
gcttatcaga tgagctgaag cgggtgcgctc gatgacttgg agcagtgcgc tcagcgaacc 240
tgacagctca tcttcttctg gattcttccc aatttgecta attaacctaa aattgagaga 300
aattgtttat taaacacaca aaacatacgt attaatgac tattacctat atttaacaaa 360
aggacttatt 370

<210> 17835
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17835

ntntggagta gagacatggg accaactcat tttattttaa aaaggaagtc gtatctagtc 60
 aagggtcttag agaccataca agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggaaga 240
 gcaaaccgat ccatccacat gggtgcctct tgggtgtaaag aggcgatcac ccttctctta 300
 gcctctgtgt ccgcgtatac ttgggcatac tcatccgcga ttctatgctc gtggggccgtg 360
 gctagaccta actcttcttg gtacttggcg atgatagcta acattgtggt ctccgtctcg 420
 cat 423

<210> 17836
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17836

tatctnttgt acagaggggg ccgaagccag tttgtgatat atcttaattc atgttccaca 60
 atcttaaaaa tccataattc tccagaccat gaccatgata atatacaaga tacatattaa 120
 cctccaagca caatttattt catactctaa gtttaaccag gattcatatc ctaaattcatt 180
 tgattatgag acacaagact ctattaccta tgtcaaccgt tattgatttt gaaaagctca 240
 ttagattact ataattgctat aggataagat ttgatgataa tataatattc ttatttatta 300
 taatatgtta tctgatgtat atgcaaacat aactattggt tcgtatctta ttctatcta 360
 atccttata 369

<210> 17837
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 17837

tgcgagccta aacttgtagc ttcaatacac ggaattatgt ttatggctag gaatccaaaa 60
ttaggtttta ggattagaaa agtatgaaaa tatggacttg tttgtaaaaa tttgggctgc 120
cccatgattg gcactttgca cctaagtaac atgggagatg tttttcaagg gtgtgcggat 180
atatgtgtta aaatatatgg cgtaaaaaat atgttgcaaa gtgtgtgaat atatggtaca 240
aaaatacctt gcaaagtga tgaatagaaa ataatgcatt acacaatatg tatgtttgtg 300
gatcagtagc ataaagagtc tttcaaaaaa tgtgtaccg tgccaaatat gggacgagaa 360
tgctctccga atgcatatat 380

<210> 17838

<211> 330

<212> DNA

<213> Glycine max

<400> 17838

ggcaatcagc tgcgccgga tcttagagcg acctgcggca tgctttcttt catataaagc 60
gaagcaattc atggagcttg tatactcaca actataattt ctaaattcgg aatttgcttg 120
tgaaacctat gttgtgtgcc ttatagtgcg atttgcagaa gatccctgtc tcattcaagc 180
cttataagct atacatgaag acgtatgaat ctataactca gcttaatcac cgatctttct 240
atgatttgac tctttacaaa gaaataacac tcttttaatt taatacgttc tatggtcctg 300
ctagtaaaaa tcatcaactg ttaacgatcc 330

<210> 17839

<211> 225

<212> DNA

<213> Glycine max

<400> 17839

cgacgagcat tgaaaaagcg aacaccccag aggtgaccac caaaaacagc ggaaaagcca 60
atatcgcggg caacggagaa cacaaaaaaa aaaggggaaa gccagaagaa aagagaaaga 120
aagacaaaca aaacaaacaa aagaagaaaa ggggagagag gagcaggaag agaaaggaaa 180
aagaggaacg gaagagaaga cgaaacgaga ggaaaagggg aaagg 225

<210> 17840
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 17840

tagttttcat caagtggtaa tcagaacaca agagcgtcta ttatgtgctc cttaaaccctc 60
 cattaattat ttactatacc ttctcttcca ttgtcgtttc ttcatttttc tccatgtatc 120
 tcttcacacg tcttgagcta aatgttggtta acatgattct ttatagttaa caccgattaa 180
 actcgctata taagctatat tcgatattct atgggttcaaa tttcttggtc ttgctcttga 240
 cccatgaatt gtgtcgagtt taggatcctt tgagattgct ttgctattct ttgtggctga 300
 aacctaacc atataattcc tataaaaata ttttaagtata ataaatcctc aaaaatc 357

<210> 17841
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17841

gtagttctta aatttcttgc ngaatattga ttagaatata taacacaaaa atctaagtgt 60
 aaatcacttt attcatgtag tcttagagtc atgtatagtc ataataattg tcacattatg 120
 ttctaagttt atgttcaatt ttgattttgt tgattgaatt ctagatacat ttgttcatgt 180
 attcttgcaa ttcttagcct attatttgaa ttttgagtct aattcatgca tgttgtttag 240
 ttcataacat gttctaaatc aattcctaga agtagtcttg ttgaacttta ttttttttgt 300
 tttctaagtt tcctatatga tgcccatgaa gaaattgagt tgtggtgctg acgtgtggct 360
 ggatttgtga ataaaaataa tttcttaagc tctcttgagg tatattattc gagacaattg 420
 agcata 426

<210> 17842
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 17842

agcttgcttt aagttgatat caatctgaaa atgtcaggaa caggacacga tatectaacc 60

ataatatata tgattaccca ttctatcttg ctaacttact agtggtaaac cttggtcacc 120
 ataaaaacta aaaatgctta accttaagac atgtgtctta tatagaaggc tactataaga 180
 gtaaaaatac aagtaaacca gtattttttt ttttgaaaca tacaagcatt gttgctctgc 240
 tcctcaaaag atgctagaca tcactttatt ctgtcaaaaa tgcagtgtca taaaattggt 300
 actctgtcca acccagagaa atgaatatat tgaagccctt atttagagac taagtttatg 360
 ttgcttgata gatgcta 377

<210> 17843
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 17843

ctaagcttct caggaggtga gcttagtttt gagaggggtg tgtgtttcta agctctagct 60
 tctcaaggaa gttttctcaa agaagcttct caagaaagct tctcaagtaa gctacctagt 120
 ctataaatag aagcatgtgt aacacttatt gtaactttga tgaatgagag tcttgtgaga 180
 cacaactcaa agatcaactt ctctcccttt ttattccttc aatttagtgc tccccctct 240
 ctttctctcc ctctttcttt tcctccattg aagcatcctc tgcaagcttc ttatccaaag 300
 ctcactttga tggatgaagct ccttcttcca tggcttattc cttaatggat ggcgcctcct 360
 ctcactctt ttctttgtc ttccgctgca tctccatggt ggaaaatcac cattaaagga 420
 cctcattgaa gc 432

<210> 17844
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 17844

tgcttgtgtc tacaccgctt tgcactggat aactttttct ttaattattt tttttatata 60
 gaagtgttta actggaatta gaatatttga tgtataatgt ttggattttc tttgtataag 120
 tattgagaac tctgtttggt tatgattatc aggcaagcaa aggatgttgt taaaggata 180
 aagaagcgga ttggaagtaa aaattcaaaa gttcaacttc ttgcactaac tgtaagcaag 240
 agtggtgtaa tacaaccttt tttctcttaa actctgttga tggcattgat ctaaattctt 300

tttgtatcta agcatgtttg cttcaattgc accattttga ccttctaaac tttacattct 360
 tgactgatt 369

<210> 17845
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 17845

ttaagctagc ttcaaatga cactaataat atatttataa aagataataa aaaaattgaa 60
 taaatatttt aaggatataa aaaataaaat ataaaaagct ataaaaatta gaagttgacg 120
 ttttaaaaga cactacttta tgtagatttt aaaaaacatt agaaactact aaaaaacggt 180
 aaaaactact taaaaatatt tgtttatgaa caatcaaata aatttttggg ttagtaaaga 240
 aaagtagaaa ctagttatac acataaacia attaaagaat tcaatttgaa ttgtaagcat 300
 agaaatttac ataagtgaag gctcacctcc aaaagcagtg ctatagcatg caacggcaca 360
 agtctgaatt atggtattct cctgtctagt gaaaggttct gacacaacat tagctttctc 420
 aaga 424

<210> 17846
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 17846

agcttgagtc ctttaagctt agaaactata tgagacattt ccatgatgta ctctctaatt 60
 tttttcccggt tatactttat ggaaatcaag tgggtgtagca atgtacttgt ttttgcctta 120
 tcgctttttt caaagcattt ctctagttaa tcaaggaaat ccttagcatt ggtgatccct 180
 tcggtcattg cacccttaa ggattttgga atgccacact acaatcttgg tttttatatt 240
 ttgttgaaca aatggtctca gttatcttaa gaaggggggg ttgaattaag ataacaagaa 300
 ttattcccca attaaaattt cactctctct ttttggatta acaatgcacc ttcaacatga 360
 attactcata agac 374

<210> 17847
 <211> 413
 <212> DNA

<213> Glycine max

<400> 17847

tgtagacaat aggtaaggaa aactctacct tatgggtctat tgcttaatct gattggaagg 60
gttgtttatg cttcaaagca tgtttgattt ttgtggggtg gtggaatttg gtgttgggtt 120
tccttttagag tccttgcccc ttgtatgctt ttgatttggg aattcttgat gaaatcttgt 180
atatgtttaa ttgatgggtg atttatgttt ttttggactt gtgttgagta ttgggatggt 240
tttgaatcat ttgtgagtgt ttggagaggt agagagtaat gaagatacgt ttgggtttgc 300
gagaaccttg aaattgcgag ttatacagtt tgtagactca ttgggtgaga caagcttgtc 360
gtgtattagt gaatttttta gagcattact cactagggtga gcctaacctt gtt 413

<210> 17848

<211> 310

<212> DNA

<213> Glycine max

<400> 17848

agcttatctg ttttcccata tcctattgta ggattctggt caatcttacc ccagcttgt 60
tgtttttttg tcttttgaac atttgcttgg acttgcccta tcttagaagg tgtgctgtct 120
atacaagttt ggtcattctt ttgatatctg cccaccccat cattatcttg ggaatagcga 180
tcttatttgt ctttcttaga accctagtgt tctttataac tctggccagg ggctatatta 240
tttcttatct tattatgctt gtgggtatca ctaccttgggt tctccttagg acccatgatg 300
cgattagaac 310

<210> 17849

<211> 434

<212> DNA

<213> Glycine max

<400> 17849

tgattgctta taattctcct gaaattaaat taaaatttca tatttagtcc agtaggccca 60
aatgataaaa ctgcataatt aatttgacaa ttaaggctaa tcagtaatta aaatgctgac 120
aaaaagggtt aagatatagg ataaaatgat gacacatcaa atcccctcac acttagcctt 180
ttgcactcct gtgcaaaatt aaataataaa aaaacaaagc aaggaacaat tccagagaca 240

ttaaagagaa acaaacagac gctaaaacaa ttacatattt ctcaatgaat ctcaaggaat 300
 gaaaagaatg ggtaacatcc aacacataaa gagttaaaga atcaaggccg tcatgaaaat 360
 cattcaagca tttcaaacat ggcaagatag tcaatcaact catcattgaa aagtgataat 420
 agcctcacia gata 434

<210> 17850
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 17850

agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
 gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta 180
 gtccgcccc ggagtacgac agtcaccgct ttaggagcgt tgtacaccag cagcgcttcg 240
 aagccatcaa gggatggtcg tttctccggg agcgacgct ccagcttatg gacgacgagt 300
 atactgattt ccaggaggaa atatggcgcc ggcggtgggc accactgggt actcccatgg 360
 ccaagttgat 370

<210> 17851
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17851

cactgacgaa gggcgacaaa gacgacgttt gtcactgcat gctatcatgc ttatcgcttt 60
 acagacagct aaaaacaatg tttatacggg taaccactca ggttatttcg cccgtcagca 120
 gtgactaaca tgtcaatatg acaaaacttg tgagcgcgga agatgacgca aatctccgcg 180
 tgtcacacgg cttgtcggcc gcgattgacg aaggacgtac aagacgtcgt tagtctctgc 240
 gtgctatcag gctttacgtc ttactgacac caaaaaagaa tgttttatacg gataaccact 300
 cgggtatttc cgcccgtaa cgtgactcat atgtcactat gacagatctt gtgagcgcg 360
 aaaatgacgt acatctatgc gtgtcaacgg gcttgtcggc cgcagattga cgaat 415

<210> 17852

<211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 17852

agcttgcttg tggggcttct atggaagttg gatcttttga gcttcaatga ggtcctttta 60
 tgggtgatttt ccaccatgga gatgcagcgg aagacaaagg agaagaggta agaggcgggtg 120
 ccatccacta ggaataagc catggaagaa ggagcttcac caccaagatg agccttggat 180
 aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagaa agaaagaggg 240
 gggcgacga aattgaagga ataaaagagg gagagaagtg gaactttgaa gtatgtctca 300
 caagactctc attcatcaaa gttacaacta gtgttacaca tgcttctatt tatagactan 360
 gtagcttcct tgagaagctt t 381

<210> 17853
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 17853
 tccttgagaa tctagagtga ggctactgac attcctgcat tagctaagct cacctcgatg 60
 ccaaaataca tgaaaataca atgggaaact tccttgagaa gcaaggaagg tagcttcctt 120
 gggaaaaaaa ggaagaaagc ttctttgaga agctagaggg gggcgactga ttgaggccgt 180
 acccgaatca aataaacatt aaaaatgcag tatctaagaa gtgatacctag gtcgtctccc 240
 aatgagcaat ggtcaagcaa cgtttataat agatagtgat aaaacagtaa cgaatggggg 300
 ggggtgtttg ttcttgtaat tcacacatca tgcataattct agtagaacat ttctgaatcc 360
 taacatgttg ttgccccttg att 383

<210> 17854
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17854
 agcttgata ctgaaggaat atacaataaa gaaggcatat agagatcttc atgcacttgc 60
 ctttgttctg attccaagct ggtatgcaa tgctgaggac ataaagcgac tctgcaatat 120

ttgaagccca tcttccaccc atctttacaa caatttttagt gctccaattc tattcttatg 180
 tatgttataa attagacaat gattccacca acaaactagt ttcggtatat ataaaagctt 240
 aacttctatt acaagaatct atttagaata caatattcca tcttttctct catttgata 300
 taaatttaac tataagaaat atgttcccgg tattagtggg ttgcttagct tcactttgca 360
 accttcatct agttagtaat g 381

<210> 17855
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 17855

tgcttaattc ttttcaaaaa ggagttcaag ctttatattc actttcacaa acaagtttga 60
 aaacaagtaa cttgaaaaac aagacaactt gtatgtttgc aaaccaaatt ttctctttcc 120
 aaatatgata ccaacttctc ttattagaat gagaatgggc agaaccaagg gttgtgttta 180
 tgcagcaaat agaaacaccc ttgaataagt ttttgcaaaa caagtcttga aaaccaatta 240
 agtttttagtt tctcaaggag aatgatctca ccaaaaagtt ttcaaacct tttctttttg 300
 gacaaaaaac aagctatatg aatatgcact ttcaaacata agttaaaaaat accatattca 360
 aatacaagct aataaaaaaa atataacaat gagagaagca tcacatttat caaaaaatga 420
 actatattct gagca 435

<210> 17856
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 17856

agcttctata tagtgagatg ttgtggaagg gaggtgcttg atactattat acatgagata 60
 ttagatgtca atatatatat aaaaaatcaa tctccttaat ttataatggt ttttgtaaaa 120
 tctcaattta aataaacaat aacggttgga ttaaaattaa tagttaggat aaattttaac 180
 aaaagtcact gtattaattg tacagtttta ctttccatat tttttagggtt acattaaagc 240
 atccgggagt tacaagctct actcatatat aaaattgaat tgatcttgca aaggagaaat 300
 agtggtatcc gtaactgtga taataattac aatttaaatt ttaattcaat taagcacaaa 360

aatagttaca ggatggtcgt ag

382

<210> 17857
<211> 411
<212> DNA
<213> Glycine max

<400> 17857

cttgatgtgc agaagaaatt ccgagacgga ttggttatta tagttgtaga tgcgaacttt 60
gtgcaaagtt gatgagcttt tgctctaatt aacttctgaa aatgatcgtg aattttctcc 120
cacacttgaa acacatgaat ggaccctagt acacacgata aaattgagct acaaagagat 180
gattgaagcc acgtgaggag catttaatct tgtatctccc atgcaatgta cgcaggattc 240
atgggtgcttg aatcctgata agcttcattt gcatatctga gaggaatggt tggatacact 300
agatatctgt gtaattgatg cgctttgatc actggtagct gttgcctcca cagcaagaag 360
tttgaatcag agagcttctt agtgattgag tgcacgaaag caaaagatga a 411

<210> 17858
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17858

ttgcttatta aatataaaaa attaatttaa tggttataaa aaatacttct agataaatct 60
ttattccaac ctaacaaaat aacttacaaa aaatgtgtga tactacataa atttcgaaaa 120
tcacctaaca aaataactta cataaaatat gtgatcttcc aaaaccatct aacaaaataa 180
cttacaaaaa aaattgatat ccagaaaatt atcaaaccga cgaaagcaaa aacgaaagct 240
actgcaacag ccaaaacaac tgataaaaaa tggatgaatga gggctgtatt taaagaccct 300
aaaacgcca caccatttgc gcttctctcc tgctctgggt ctgccaagc tgttgtgctn 360
gctgcaaacc t 371

<210> 17859
<211> 418
<212> DNA
<213> Glycine max

<400> 17859

tggcggtcat ctccaaagtt tgagtgggtca tgttattata ggttcattggt gaggtggtat 60
acagcctctt caaggcgggt taggggtggct atagtgagtg ggtatgggtg aaggtaaggg 120
ttctggtagg tagaggcagc catgggcggc aggtcgaacc aattgttatg agcagagggg 180
agggagaaaa ctacacttct tgggttcgag gaccaaggcc tcctttgaaa gcaaagtatc 240
gaaaattctt ctctgcctta ttcattcttt cacattgctt ttatacacia ttgtacatgt 300
acaactgaat gataattggt acaactgaat ggtaactata ttaacagaat aataactgct 360
ctaagtatgt gatactattc ttatgataga cttccatggc agagctttgt cataacta 418

<210> 17860

<211> 373

<212> DNA

<213> Glycine max

<400> 17860

ttcttctagt tttagcacia aaaaaaaaaag gaaataaaaa taggaatttg ttgatgaagt 60
gggcaaagga aactcattta tttgttcgag agagagaaag aaaagggttt tgcaaccctt 120
ttaatcatat ttgattcatt tttgacattt aagcttctgg tgtttttctt ctgataaaca 180
tcaacttgta aggccaagtt aatgattta aataataaaa tcgatgataa tatgtataga 240
gacactgaat ggataaactg ctatacatta gaattactat gcagtgtttc tgtgacaaat 300
tgctagaagc atatcattta ttaattgagt aaccaagcat atgtactata atatatatta 360
aacttggttt ttt 373

<210> 17861

<211> 433

<212> DNA

<213> Glycine max

<400> 17861

cagcttgcca ccataggaag ccatggataa gagcttgatg gtatgagaag atgaattgag 60
ggagagggga agaaggagca cgaaattttg tgctcaaaa gaggtttgaa ctttgaattt 120
taattttcaa atgattaaag ttcaaaaaaa ggtacacaca tgacctctat ttatagccta 180
agtgtcacac aaaattcgag ggatatttga attttacttg gatttgaaat taaatttggt 240

gagccaaatt ttggaaccaa aatttcacta attatgatta gtgaatttta gttatggttc 300
 agtccactaa tccaagatca agtccaagat tttccactaa gtgtgcttag gtgtcatgag 360
 gcatgtaaag catgaaggac atgcacatag tgtgactata tgatgtggca atgggggtgta 420
 gcaagcaaatt gtt 433

<210> 17862
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17862

ttctttctcaa ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
 gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gttttatgag atacacttca 120
 aagttccact tctttccctc ttttattcct tcaatttcgt gctccccct tctctctttc 180
 ttttctcca ttaaagcatc ctcttcaagc ttcttatcca aggcaattct tgggtggtgaa 240
 gctccttctt ccttggttta ttccctagtg gatggtgcct ccctatcct cttctccttt 300
 gccttccgct gcatctccat gatgaaaaat caccattgaa ggacctcatt gaagatcata 360
 gatccatcct ccatag 376

<210> 17863
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 17863

tcagctatag tatgcccag tcatcatcc ctatgagatg ttgttgaagt attggcgatc 60
 agaatagcca ttccttggat tataagggtg aaccaagctc atgcttttac aaaaagggtc 120
 atcaagtcaa gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagattaatc 180
 gagtcacatc actgcttcat ctactgcaa acatatttag gattattgat gtccttggtta 240
 cttccaattt caccttgaca aagatgtcat ggaccatggt gaaaatctaa attgattcaa 300
 ccccatatct tgcgtaaaaa ttcgcaatac ttcaattgta catcattegc atgcatccat 360
 gcatttcatt ggttgcattg ctggttgcac tctttccttg aaaaataaaa ttaaaatgaa 420
 cttaat 426

<210> 17864
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 17864

agctttgatg gtgttgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gctcattttg 120
 cttaaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcacaat gaaaggtttc aagtcattca aggcacatgt aatcgaatac 240
 caatacatgt aatcgattac caatggtttg aaagtgtgta atcgattacc agagactcta 300
 aacgttggga attcaaattt taaatgaagg gtcacaactg ttcaagaaaa acaattgtgt 360
 aatcgattac actaattatg g 381

<210> 17865
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17865

tgctgtgcca tcaccatttc tgcttaaacc cattccgggt tatactcatc ccttaacata 60
 actcaggcca cttttaagga ggcaccacat caacgtggct gcaccagaag agcctccata 120
 taagaatttt tcacaatttc tagtgcttga aaagatgttt ccaatgactc ttccgcagct 180
 tccacatagg gtataaaaga tggacatctc actagtatat cttcttcgct caatacgata 240
 atcagctgac cctccaccac aaacttcaat ttctgggtgca acattgatgg gaccacacca 300
 acagaatgga tccaaggccg acctaacaag aaactgtaag cggtgtttat gtccatcact 360
 nggaaagtta tttggcacat gtatggcca atttgaatcg ggagatcaat ctctcctctc 420
 acgtca 426

<210> 17866
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17866

agcttgtgag ttgtcacccc actttttccc tattcgatga agtcttcatt cttgtggggt 60
 tttctttaac attatttcat tgtgtcattt gtttgtttaa taaggatata catagacaaa 120
 accaaaatta attatcacaa tccatcctta gatcatgatt gacgcataaa ctatgattca 180
 cttagcttga ctagcttgtt agaccctcat tatcaacata tatgaatact ttatctaaga 240
 atcaaacagt tcatacataa taatcttcat aattttttaa aacattgtag ttatataatt 300
 agcattagca catttacatg gtaaaatcac caacaactaa aaatacatag atcgtctcta 360
 tctttatctt tattcatat 379

<210> 17867
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 17867
 tctagatcta tttcattcca gtgtgaattc accgatggtc ttacatgcct atcaattttt 60
 atttggttag tcttcgaacc acatcatact ttgagagagg tatgctctga taccacaaaa 120
 cctactcaca cataatgtct ggttgctttt aggattgttg gttgttcca taaattaata 180
 taagactttt tggatggtt tgtccacact tactaaaaaa acttctcaga aggtcaccca 240
 tcccataatt actttaagct aaccatgttt gactatagag ttcttaagtg atggattacc 300
 gaaaaatata ttcattctgt tagtataggt aatactaatt aatttctaag ttatcctcaa 360
 ttgtgcagtt tcatacttac accatcttta gatctctctt attctgaggt gcat 414

<210> 17868
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 17868
 aagtgcgccc aggaaactca tttatcttgt tgccagagag aaagataagg cttttgccgc 60
 ctttttcata atatatgatt catttttgac atttaagctt ctggagattt tcttctgaga 120
 accttcaact tgtaaggctc agtgaaatga tttaaataat agaatccctg atattatggt 180
 tatagacact gaatggataa 200

<210> 17869
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17869

naatgaacaa ggaanaacac ttgacttggt tatatgttaa atcctatnct tgagaaagct 60
 ccttgagggt ggaggatata atgcactaat tgaaaatttt ctccagaata ggatgattga 120
 tggctgtaag ttttatgaga gaaagacatt acaatgactc tattgttaca agggatgctc 180
 atcaaaaggg gaaagaatag gaaatgatct ctgcatccca aagtatgttt ctaacacccg 240
 atttcgcacc tacactcttc ttttttaaca gaacatatta catcacccat gtttgaaata 300
 tatttgctta acaaatacgt catagagaca taaattat 338

<210> 17870
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17870

tagctttatg catatggaat caaaatataa caaatgacat gtatctcatg tcaaaaaatt 60
 ttttacactt cttcttaaga atttcctatt gacaatttaa ggtaatatta tccattacga 120
 aattctccat tgagtcagtt caatggtcac attcatatgc acataattta tatatgtaaa 180
 ttaataaatg agatctatta atgttcattc aatgaatact atcacatatg tcaatctatc 240
 caaattatta atgtcatatt cataataatc ttaggatcaa gaacaattaa aattaaaatt 300
 atgagagact tttttctcat tttcataatc tctattatga taacaaatct ttaattttaa 360
 tcaaggacct tatca 375

<210> 17871
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17871

aatgaggcta aagattctgg gctcatgaca atanaatccg gtggagaaca atccatctgg 60
 gccttatttg tcacaagata gtgacatgga gtggatggta aatatttgtc acaacaaagg 120

agctttatct caacctaat tgttgagca ctctatattt atatattaca attattcatg 180
 tttggcattt gcatgtaggt cctgcaact attgttccac caatagcaag gaataagcta 240
 accataacaa gagccaaaca aaggaagggt gctgataaag atgatgcagt ataaagaaaa 300
 ttgaagacca attttttgtt gcattatgaa agttgctgag ttagaagggt gctgatgaag 360
 acaaccgaag aagcattttt ttgttgcat atgatattaa gatatgcagt tgta 414

<210> 17872
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 17872

agcttgatga ttattcagtg gagatacgac tgggctatgg agatggatct ttgaccgaca 60
 caaacatgat gaccatgggc atgcaggcaa gctctaaaac cacctcaata acaactagag 120
 ccaactagaa ccaattctaa ggaacaacta tctataaaga caagtcttga ctatcgatta 180
 acgttaatat gtacgagatg atatcttagg atctaaagct acacaactct catctcgatt 240
 gaggaacca gacttattga tgatgctatg gctgatgaga aataagcatg atccgtgctt 300
 gacgaactat gacaactcat gaagaatgat gta 333

<210> 17873
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 17873

tcatgatatg ccttatggcg ttcaatattc tgcgcgttat ttatgaccat atatgtgtaa 60
 tatacatcgc agtgcaaata atcaatgaat atttgagtag ctgatgcata tcataatggt 120
 cactgcccac ctaatacctt ctctgcttat taattacat aaagtatacc tcttgcataa 180
 gaactcctga actcagacca tatgtgataa ccttggtgcta ctttgatact gaatcatcat 240
 cgtatgatgt ataccctaca taagactcta tagactgtct tgaacattca tcttgactat 300
 ctttaccacc tcagccttga atgaagctat gactaacatg tgatccttta gcatcatcat 360
 atcattccgc ttgatcctta gactactgcc ccaatccctc aatcctagcg actatacaca 420
 tacctattg 429

<210> 17874
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17874

agcttcacct tttggctctc ctcatagttg ttgcatgaga aaacatgctc tattttcatc 60
 tcccactcca tgtaggcctc cggatcattc tttcctttaa agggaggaat gttgagttta 120
 ataccatcaa ttcgattttg tctaggaaca ccatcattcc ctcttctcct cctttcttct 180
 tcattatgat ctctattctt catttgatcc aacctctcat agagcgcac c atcttggtgt 240
 ttcattaacc tctccaaata ttgcatcaaa gcttgcatth ggaattgcga aagccccact 300
 ccatcattag gattagtacc tgacatctca aacaaacaaa tcaaacgtaa caagacaatt 360
 atagttgttg tctga 375

<210> 17875
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 17875

tcctcggggc catttctctgc gaaggcaaaa atttggaag ttagttttac cagtgggaca 60
 ctactcttaa aacaaaaatg gcatacaacc tcctcccata aatacaaaaca tcaatgtaaa 120
 tttagagcaa gcttatgcgc atatttctct acgaacgttc acttgacaaa gacatcctat 180
 caactaagaa aaatgcaccc atatacaatc aaggtagctt cattacctag attatttaca 240
 tgtacttcct aggtgtatth gttatttaca tcacacacgc ctcttggtg gaattttacat 300
 acatacatat tcaaagcatt ttgggggtacc aaaaattgca catgcgccca tcttggtatt 360
 tctaataccc atacatatac aaacttcacg atgaatcttg actacctaca caataagggtg 420
 ctacatttca tgc 433

<210> 17876
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17876

agcttgctca taaccgtttg acatcttctt tcataccttt ccaaaataaa ttggaagtca 60
acctccgata tgtcctataa aaacccgaat gaccagcctg aggagtagaa tgaaattcct 120
ctagtaactt ctgaatccaa ggagatttct catgcaccac caacctccct ttataaagca 180
gcactccctg attataggag aaaccggtat gggcctcttt atcctgtcgc aaatcacaaa 240
taaccttttt ccagtgggta tcttgctgca cctcatgagt caactgctgc caatctaacc 300
actcaagata agagatcata ttagtcaatt cggcgtcttc caaactcctt gacagggcat 360
cagctccttt attctcgtt 379

<210> 17877
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17877

tgccattntt aaaatatcac aattgcaaatt tgatgatacc ttgttgataa tagccttaga 60
agttgattat cacaagtcaa attgaaaagt tgcaccatta caatgccata ctatttaacc 120
acaaaagagg atttaataga aagtcacact aactgtaact tacaccacgc ctacttaaga 180
cactaagtat aaacattgca tgaaatatac atgcattcag tgtaaaacta aaacctcgtg 240
gttgaatgat cttgctacat taaaacatca gttgattttt ttatcataca atagtgatgt 300
tttaattcaa tgggcaacaa taaactctta cactatcaat acaatattgc acatagtaat 360
taacaaacac atgtagtctt aaactaaaac caagtaaata aaccatatct aaagaactca 420
tgttgcaagc taa 433

<210> 17878
<211> 380
<212> DNA
<213> Glycine max

<400> 17878

agcttttctt ttagcaaagc aaaggcttgc tcttgttttt caccocagggt aaatgccaca 60
ttcttcttca ctagctcatt gagagggtgat gcaattgtag agaaattagg aacgaacctt 120
ctatagaagc ttgccaaccc atggaagctc ctaatatctc tcacactttt taggggtgggc 180

cattcttggga tggccttgat tttctcaggg tccacttggga cccatttct accaactaca 240
aaccctaaga aaaatatatt atctacacaa aaagtacact tctctatatt tgcataatagg 300
gtatttttcc taaggactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc 360
ctactataca ctaaaatata 380

<210> 17879
<211> 432
<212> DNA
<213> Glycine max

<400> 17879

gtgagaattt cccaaactct cttttcattt ctgatttaag gcttaaataag gtggccttgt 60
tggtgcctgc ccgcttagcg caaatatggg ccgcttagcg tacataagtg aatttcggct 120
tagcgctcgt attctcgctt agcagatgca tgcaagcagt gtgttttagcg ggatgagccc 180
tcacttagca cgtgtgtcca gctcctcctt cttccatatt cttcctcgcg ctcagccgca 240
agaggggtgt gctcagcgga tggctcgcta agccgacaga ttggcttagc gagaagctaa 300
aaattagcac ttcacaaact tgcctaatta tcttgaaatt gaaaggaaat gattattaaa 360
tacacaaaat aggagtatta agtacttatt acctatattt aacaaagagt aattacaaca 420
ctacaaaatg ac 432

<210> 17880
<211> 383
<212> DNA
<213> Glycine max

<400> 17880

agcttatgct gcaaataattt acaatagacc tctcaacct cagcagcaaa atcaaccaca 60
gcagaacaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tctagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
tggcccaagc agaccataca ttctccacc aatccaacaa cagcaacaac cccagaaaca 240
gccaacagtt gagggccctc cacaaccttc cctcgaagaa cttgtgagggc aaatgactat 300
gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
gggacaattg gctacccaat tga 383

<210> 17881
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 17881

ttgacttgag tcatcaagag attatagaga tgtgaccgtg gcatgagttt caatgaatga 60
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 cagatctttc taaattatct ctcttcatgt ttctaagagt gtttgtcaac actttctctt 180
 ccaagaaaag tttttggttc aaaaacttgt gctattcatc tttttcattc acttatccct 240
 ttgccaaaag aaccaaggac taatcgcttg aattcttttg tgtctctctt ctcccttaca 300
 aaagattcaa aggactaacc gcctaagaat tctttggatt cttccctttc ccttaagaca 360
 aagatgacca atgactaacc gcctgagata tcttttggtt ccccttaca agattcaaag 420
 gactaact 428

<210> 17882
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 17882

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 tttgcagaca aatggcataa ggaaactagt agcttccata tgctcataag agagatcagc 120
 ataaccctca atgatgtggc atcagtatta catctacca ttataggtgt tttccatacc 180
 tatgatgcaa tagatgtaga ccagattgtg gagttgctag ttgagttgct tggagtgact 240
 acacaaaaag aagtagatga gatacaaca tgtaaagggg catgtgttcg ccttgccctgg 300
 ctacaagaca tttaccgtac gatatgtctc acaaggcaat ggacactacc aactaaagca 360
 tatttggtgc atatt 375

<210> 17883
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 17883

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 gtggccaagg atgcttggga gacctaata atcactcatg aaggaacctc caaagtgaag 120
 atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180
 tgcattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
 gagaagatga cagatgaaaa gctgggtgaga aagatcctca gaccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360
 ctcatgtggt ccttcaaac ctttgagcta tgactctcgg atagggtga naagaagagc 420
 atgaatctg 429

<210> 17884
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 17884

ttgtctttca agtttttaag ttcttctca gaactgtcct aagcaaagtt cccaagtcc 60
 tattaacaac ttccgtttgc ccatctgttt gtgggtgaca agtggttgaa aataacaatt 120
 tagtgcccaa cttgtccac aaagtctcc aaaaatggct tatgaactta tagtcctat 180
 cactaacaat gtccttggc aaaacatgga gtctcacaat ctcttgaaa aacaaatcag 240
 ccacatggga agcatcatta acttttttac atggaataaa atgagccatt ttatgaaacc 300
 tatcaacaac cacaaaaatg gaatctctac cattgcttgt ttttggcagc cccataacaa 360
 aatccatgga ttaatc 376

<210> 17885
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 17885

tgcattaata gcaacaaata cagagtaatt ggtgattatg aaaaactgat cagaattcaa 60
 tagtaataac aaaacctcaa agagagtat gcttgatcct caagagaaaa caacgttgga 120
 gacttagcct tccattaatc agttgaaaac aaaattgtag attgaagtag aaatgaaatt 180
 gcagaaattg aaattttatt ctacgtgaac agtgtgcatg aacaataaaa actggaattc 240

taaaattcta gaattattct cctcttcgac aaactctctc taaaactaaa accttggtgc 300
 tgttatatag gtcttcagcc ccaaagctta caaatctggt ttaagtccaa gcccataaat 360
 aaaataaaat ctggacaaga taagataaga ttggatgaaa taaaatctag atgaaataaa 420
 atctggat 428

<210> 17886
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 17886

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 gaaattgtaa aactctcatc cccttgattt tgtaaaacac gccaaagtcct tctatagttg 120
 cattattggt tgagaaatct atgaaacaca ttattttttg catatttttt tattgggtcaa 180
 aatttattaa aaataatgaa attgattaaa tgtgatagtt ataattcaaa atataagata 240
 gttatttaat ttttggttgt cattatttaa tctcattttt agttgagata aattagacaa 300
 acacttttag aatagataac caggtgaatt taataatcca aggtgacta aaacggcctt 360
 ccagtctcac g 371

<210> 17887
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 17887

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 aaattggatg agggcaagtg tggtttcgaa aatctgcact ttatgcagaa ttttgctgtc 120
 aaatatgtgc agcagaatth tgtatatgtg cagaaaaatg cttgtgtatg gctgggtggtg 180
 gaaagggtag tacatatggg gttctggata ttgctagca gatcccaacg gtcaaaatgt 240
 agacttatgt aatagagact tccagtaaaa ttttcgagtc gatccaacgg ttaacgaatt 300
 gtaacgaaga gaatgttatc ggggtattag agtgtgaaaa gctgtgatat tgatttgtgt 360
 tttgagcaaa gtcttctgcc tctgctctgt aatcttggtc gtgctagtgc atgatgcttg 420
 tat 423

<210> 17888
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 17888

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 gttaaaacga tgtccagcgt tttgtagccg ttggatcttc gcaaaatttg gtttgcaact 120
 ccacaagaca cttttccatt atctgaccgt tgggatcttt gagaagatgt ctggagtgtg 180
 ctataagtat cttaaagaag cttctggagg aagcctctta atgaaagctt ctagagaaaa 240
 ctacatgaag ctgcctcggg agaaacgctt ccagccttc gttaaccgtt ggctcttctc 300
 gaaatttggt ttgcaacttc acaagacact ttaccatgat ttagccgttg ggatctttga 360
 gaaaatatct ggagtgtgc 379

<210> 17889
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 17889

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 gtttaaagta acacatttat gcacatgtgt atgtgtagaa tctctacta ttcatatcaa 180
 catagaggcc atccaacaca ttctaattgt catacatata tatgcatttg aaaagaacac 240
 acattctcac gattaaggca ttgcgtcaaa atttacctt aactatgtcc tagacatttg 300
 ctatcacaaa ctaccaacac aactcgaaa tatatatacc atacaaactt tcattgtttc 360
 actcacactt atgcatattg gcaagatatt tacattatgc acatacttgc attca 415

<210> 17890
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 17890

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cataaatata aacctaaatt ataaaatgta ctaaaagtag aataataata aaagtgttca 120
 aaagaaagga aaatagaagt cctgtcatgg gtcctgtggt gcagaagggg caaaatccat 180
 ggctgtgaca tcctcctcat cctcaaagag ctccagcaca ggcgtgccta ctagtgatgc 240
 ctatggggaa gacaactcca gcacagggtg ggtcactggt gatggctgtg gagttgtctc 300
 tggagtagcc tctgcagcgt cctcctgagt agttgggtca ggctctggga tctctacgtc 360
 aacctctgga tcaacatt 378

<210> 17891
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 17891

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 gactcggatg tccgattgcg tcccgtagga tatcgagacg ctccaaattc aaaacggaag 180
 ctttgagaaa aatctaacga taataacttt taactcggat gtctgatcga gccctgtaat 240
 atatcaagat gctcgaaatt gaaaacggag gctctaagaa aagtcaaacg acaataactt 300
 ttgacttgga tgtccgattg tgtcccgtag gatatcgaga tgctcgtaat tgaaaacgga 360
 agctcggaga ataatcaaac gacaataact cgaaattctg ataccagggg acagatg 417

<210> 17892
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 17892

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 gatattcaaa atggtcataa cttttaactc ggaggtccga ttcaggcgca tcacatatat 120
 atacgctcga gattgaacaa cataatctct cgacatatat atatagtggg aacttttaac 180
 tcggagggtcc tatttatgca catcatatgt cgagacactc gaaatcgaac aatggaatct 240
 cttgagctat tcaaattggc ttaacttttg actcagaggt ccgatgcaag cgtgtaatat 300
 atcgagacgc tcggaattgc gcaaccgaag ctactgtgaa ttgaaaatgg ccgttacttt 360

tcacttggag gtccgatata cgcgcataca tattttaga

398

<210> 17893
<211> 422
<212> DNA
<213> Glycine max

<400> 17893

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atcgcatcca ctaacagacg ttgagcgccg tccaactgat ggtactcgtc accaccacca 120
cctgctccag ccataattca acaggaaaaa aaatgtgcaa taaaaattat taaggtttca 180
ggacctcaca acactctact cacgtctctt agatggtagt acactcgtgt ttaatgctct 240
caataggctt ttgtgtaatg tattccctct tgccttttac cactcgtgtt tcctcttaag 300
ttcctggatg gaccaaatta gacacacaag gtaatataaa ataaaaggaa agacaatata 360
atgatcacia acagatttga tttgggataa caacttggac ttgatttga tagtaatata 420
tt 422

<210> 17894
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17894

agtttgttat gcaaaatggt tgactatctt acctttccag acctttggtc aggaacttga 60
aactaaagat gaccaggagc aggttcatta acagtgatag ttatgaaaag ctggaatgca 120
caagcattaa ctaacattag tgaaatggtc ataggaatat aaaactcatt tgtagacaaa 180
aagacattaa agaagaaaac atgaggaaac acccttcaac ctcagcctac acataaccat 240
gtccatgaca gtcccatttt caatctttaa ccatgtccat gagaaaactg catagttttc 300
aacaatgtac acttcatcta aaatattcat tggactatct tcagagagta tgtttcttan 360
atgaaaaagt catgata 377

<210> 17895
<211> 428
<212> DNA